

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121315\
 Data File : BF083755.D
 Acq On : 14 Dec 2015 3:42
 Operator : UM/IZ
 Sample : G4760-01
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC121015-SOIL-POPH

Quant Time: Dec 14 06:28:56 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 14 01:30:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.08	152	287277	20.00	ng	0.16
21) Naphthalene-d8	8.43	136	31424	20.00	ng	0.22
38) Acenaphthene-d10	9.96	164	231675	20.00	ng	0.00
63) Phenanthrene-d10	11.45	188	280460	20.00	ng	0.00
75) Chrysene-d12	14.10	240	275853	20.00	ng	0.02
86) Perylene-d12	15.54	264	308847	20.00	ng	0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.53	112	723253	40.62	ng	0.00
7) Phenol-d6	6.54	99	821865	36.44	ng	0.00
23) Nitrobenzene-d5	7.70	82	16230	28.90	ng	0.22
41) 2,4,6-Tribromophenol	10.75	330	152317	64.52	ng	0.00
44) 2-Fluorobiphenyl	9.29	172	611465	32.93	ng	0.00
78) Terphenyl-d14	13.04	244	465677	36.31	ng	0.01

Target Compounds

						Qvalue
3) Pyridine	3.38	79	466028	21.51	ng	# 26
9) Benzaldehyde	6.65	77	218928	18.08	ng	# 30
15) Benzyl Alcohol	7.21	79	39723	2.40	ng	# 19
18) Hexachloroethane	7.60	117	754890	94.72	ng	# 1
19) n-Nitroso-di-n-propylamine	7.48	70	75302	5.45	ng	# 49
22) Acetophenone	7.55	105	108380	140.59	ng	# 1
24) Nitrobenzene	7.70	77	146796	251.10	ng	# 45
25) Isophorone	7.98	82	3807	3.45	ng	# 1
26) 2-Nitrophenol	8.04	139	2384	8.49	ng	# 1
27) 2,4-Dimethylphenol	8.12	122	9865	17.88	ng	# 55
28) bis(2-Chloroethoxy)methane	8.16	93	21486	34.17	ng	# 1
29) 2,4-Dichlorophenol	8.30	162	6761	14.92	ng	# 31
30) 1,2,4-Trichlorobenzene	8.36	180	2283	4.86	ng	# 1
31) Naphthalene	8.38	128	116208	70.94	ng	# 1
32) Benzoic acid	8.12	122	9865	28.68	ng	# 1
33) 4-Chloroaniline	8.45	127	11608	17.35	ng	# 1
35) Caprolactam	8.86	113	5297	36.41	ng	# 1
36) 4-Chloro-3-methylphenol	8.99	107	30797	58.12	ng	# 45
37) 2-Methylnaphthalene	9.05	142	3244725	3155.18	ng	# 91
45) 1,1'-Biphenyl	9.39	154	99664	4.85	ng	# 96
47) 2-Nitroaniline	9.49	65	12137	2.82	ng	# 52
48) Acenaphthylene	9.84	152	1266736	49.68	ng	# 95
49) Dimethylphthalate	9.68	163	141311	7.82	ng	# 60
51) Acenaphthene	10.00	154	422673	27.42	ng	# 98
53) 2,4-Dinitrophenol	10.02	184	6695	7.88	ng	# 1
54) Dibenzofuran	10.17	168	166322	8.14	ng	# 60
55) 4-Nitrophenol	10.06	139	18367	5.61	ng	# 76
56) 2,4-Dinitrotoluene	10.17	165	50883	10.16	ng	# 54
57) Fluorene	10.51	166	210643	13.10	ng	# 93
65) n-Nitrosodiphenylamine	10.62	169	122735	12.80	ng	# 86
70) Phenanthrene	11.48	178	2244095	150.62	ng	# 96
71) Anthracene	11.53	178	1212875	78.38	ng	# 98
72) Carbazole	11.68	167	49021	3.40	ng	# 64
74) Fluoranthene	12.69	202	1294618	84.09	ng	# 96

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121315\
 Data File : BF083755.D
 Acq On : 14 Dec 2015 3:42
 Operator : UM/IZ
 Sample : G4760-01
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC121015-SOIL-POPH

Quant Time: Dec 14 06:28:56 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 14 01:30:12 2015
 Response via : Initial Calibration

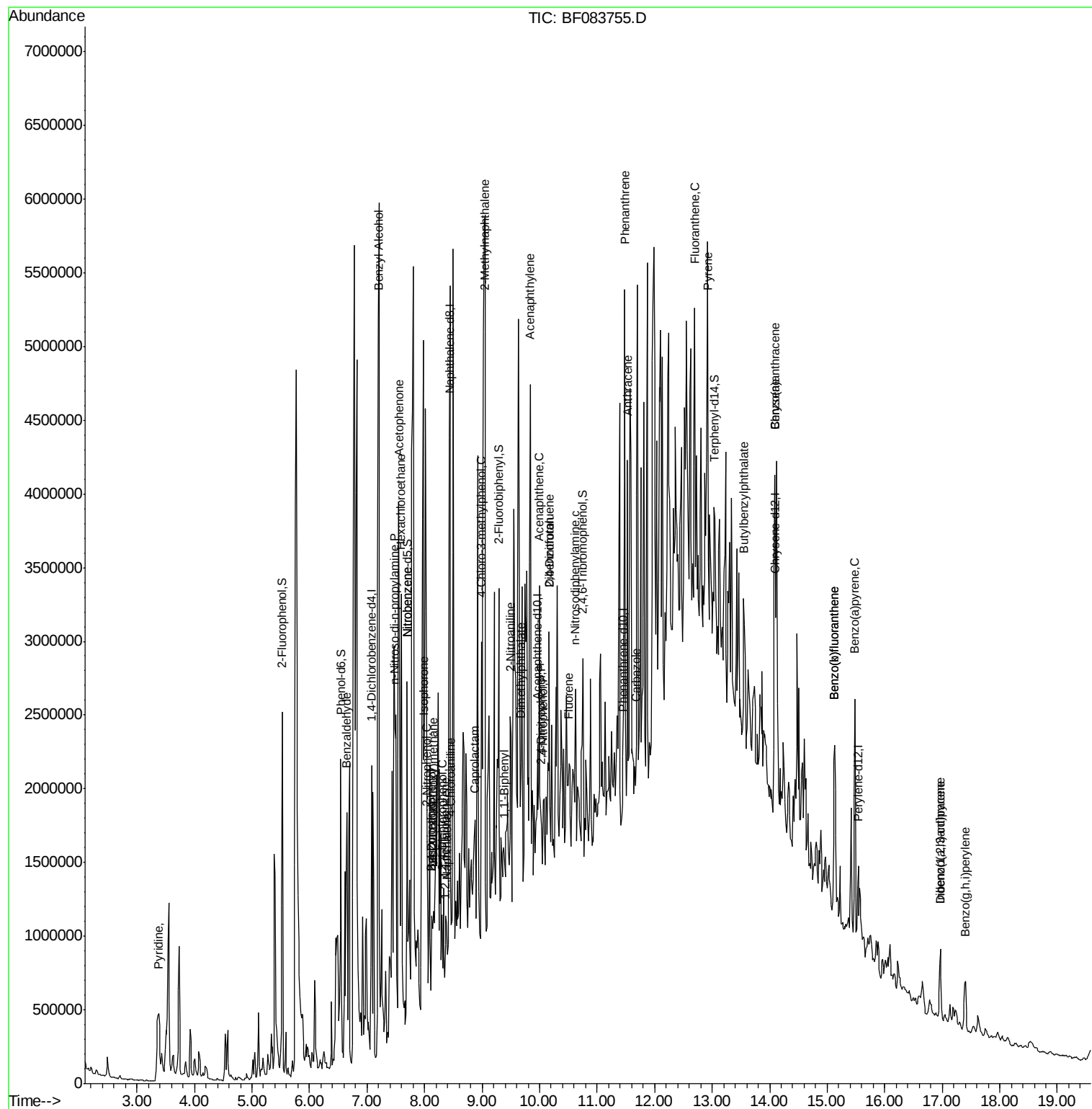
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) Pyrene	12.92	202	2093941	96.04	ng	95
79) Butylbenzylphthalate	13.55	149	84992	9.08	ng #	1
80) Benzo(a)anthracene	14.09	228	1432642	91.33	ng #	95
82) Chrysene	14.09	228	1432642	93.64	ng	95
85) Indeno(1,2,3-cd)pyrene	16.97	276	297287	19.79	ng #	100
87) Benzo(b)fluoranthene	15.13	252	1158459	58.80	ng #	96
88) Benzo(k)fluoranthene	15.13	252	1159428	64.94	ng	100
89) Benzo(a)pyrene	15.48	252	905151	51.48	ng	98
90) Dibenzo(a,h)anthracene	16.97	278	100934	5.77	ng #	83
91) Benzo(g,h,i)perylene	17.40	276	300950	16.75	ng	100

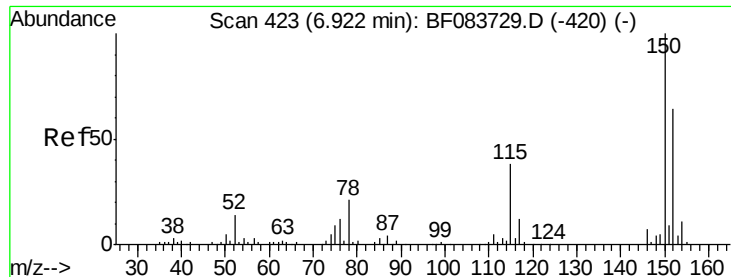
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121315\
Data File : BF083755.D
Acq On : 14 Dec 2015 3:42
Operator : UM/IZ
Sample : G4760-01
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC121015-SOIL-POPH

Quant Time: Dec 14 06:28:56 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 14 01:30:12 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.08 min Scan# 437

Delta R.T. 0.16 min

Lab File: BF083755.D

Acq: 14 Dec 2015 3:42

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPH

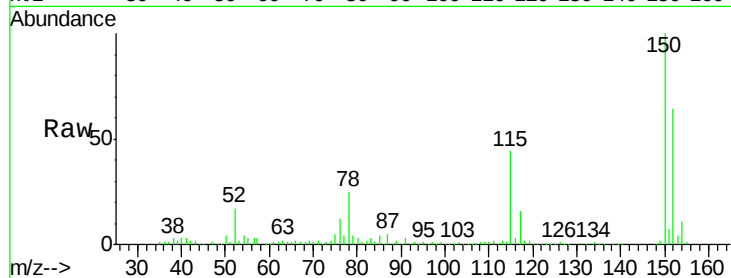
Tgt Ion:152 Resp: 287277

Ion Ratio Lower Upper

152 100

150 155.6 126.5 189.7

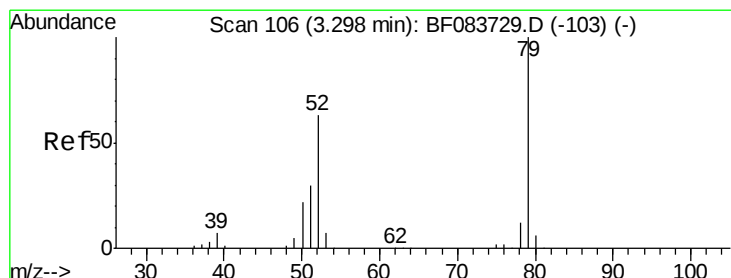
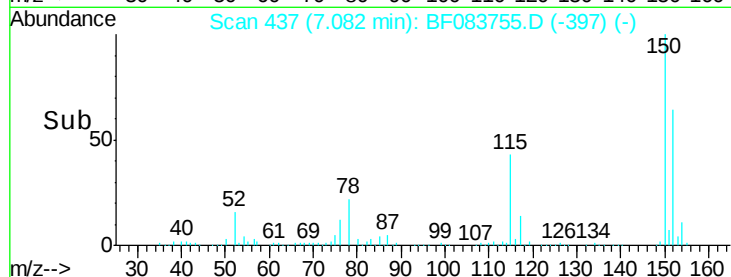
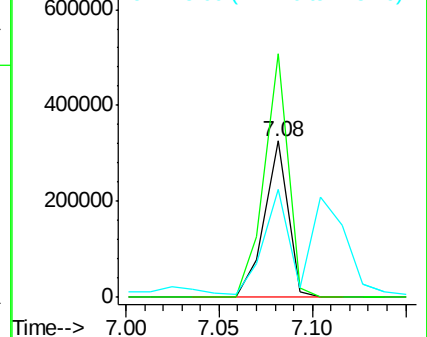
115 69.0 52.3 78.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#3

Pyridine

Concen: 21.51 ng

RT: 3.38 min Scan# 113

Delta R.T. 0.08 min

Lab File: BF083755.D

Acq: 14 Dec 2015 3:42

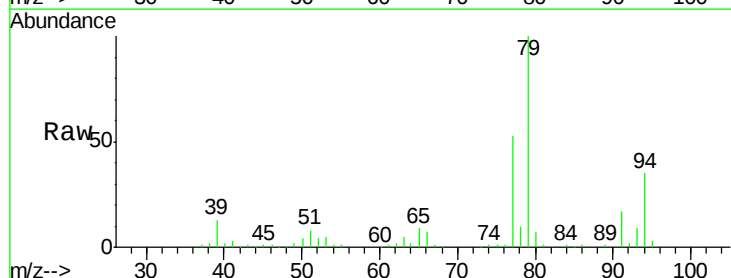
Tgt Ion: 79 Resp: 466028

Ion Ratio Lower Upper

79 100

52 4.0 63.7 95.5#

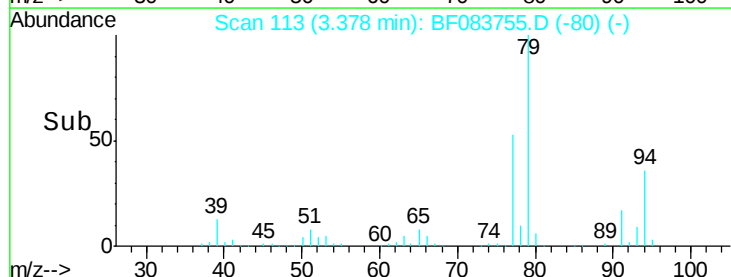
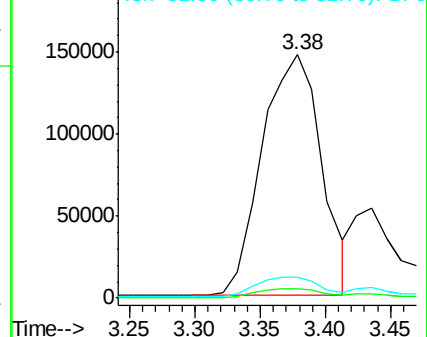
51 8.4 30.6 45.8#

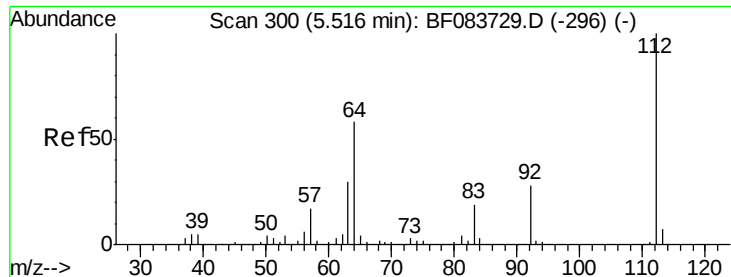


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

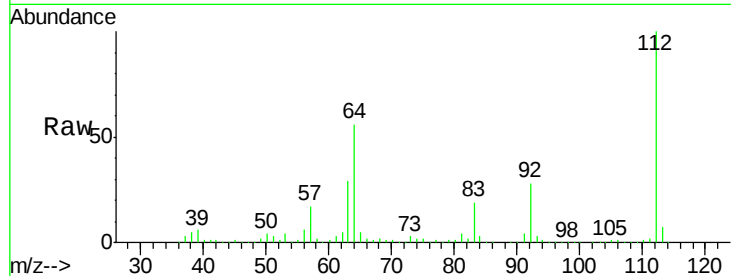




#5
2-Fluorophenol
Concen: 40.62 ng
RT: 5.53 min Scan# 301
Delta R.T. 0.00 min
Lab File: BF083755.D
Acq: 14 Dec 2015 3:42

Instrument :
BNA_F
ClientSampleId :
WC121015-SOIL-POPH

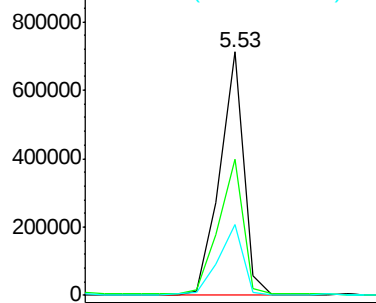
Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	50.5	75.7
63	29.1	25.8	38.6



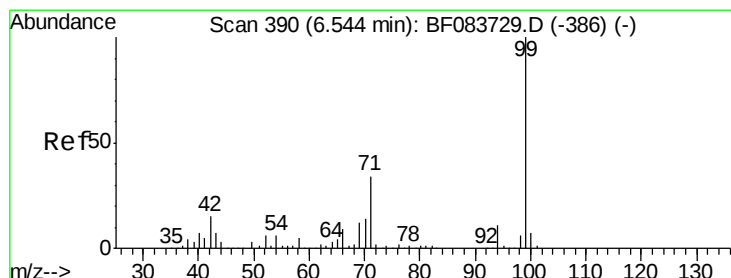
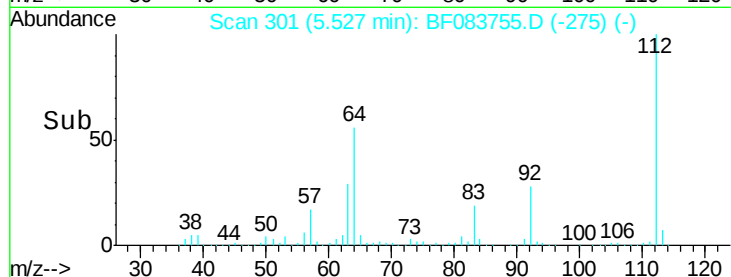
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

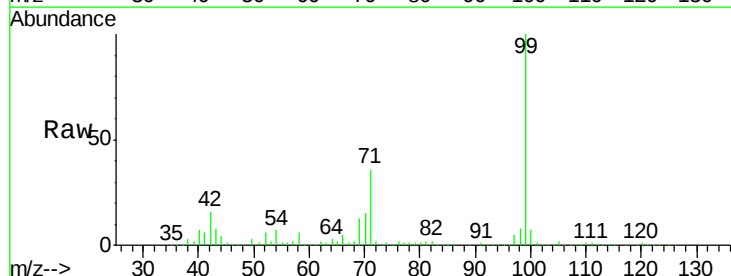


Time-->



#7
Phenol-d6
Concen: 36.44 ng
RT: 6.54 min Scan# 390
Delta R.T. 0.00 min
Lab File: BF083755.D
Acq: 14 Dec 2015 3:42

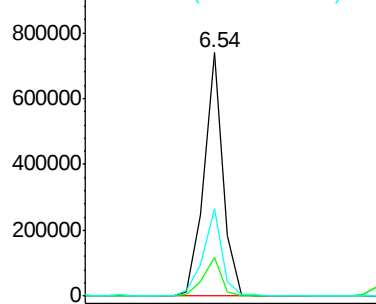
Tgt Ion	Ratio	Lower	Upper
99	100		
42	16.1	17.3	25.9#
71	36.0	26.6	40.0



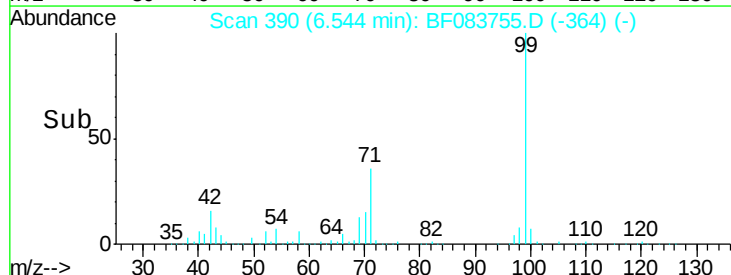
Abundance Ion 99.00 (98.70 to 99.70): BF0

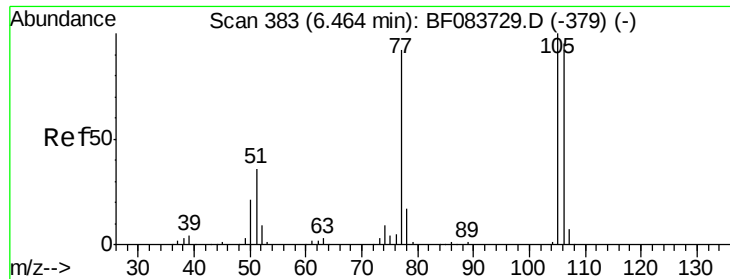
Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



Time-->





#9

Benzaldehyde

Concen: 18.08 ng

RT: 6.65 min Scan# 399

Delta R.T. 0.18 min

Lab File: BF083755.D

Acq: 14 Dec 2015 3:42

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPH

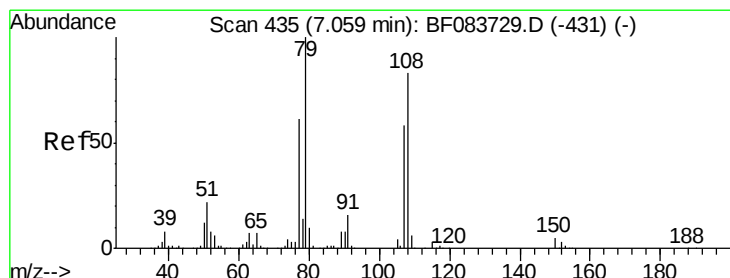
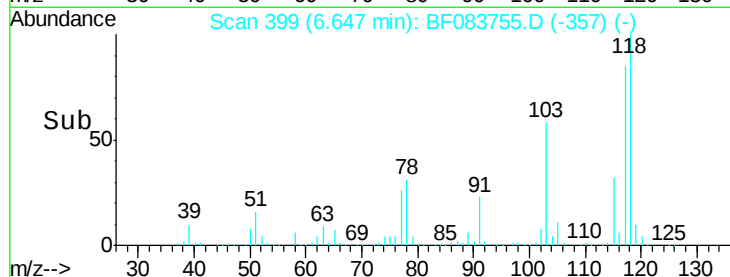
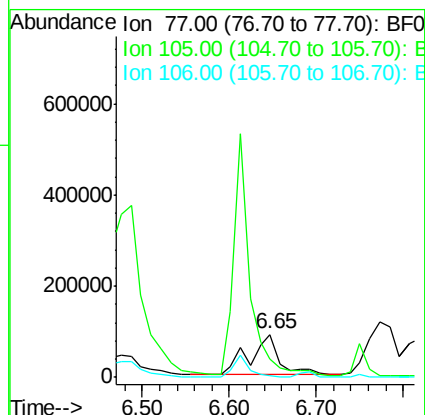
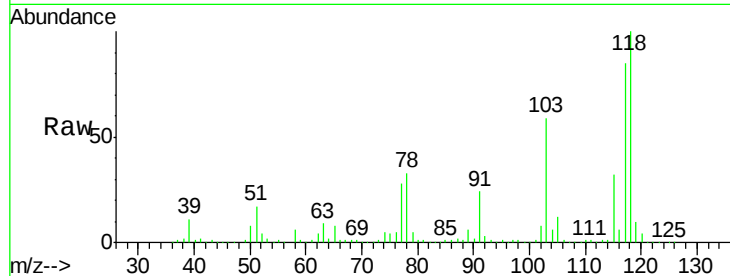
Tgt Ion: 77 Resp: 218928

Ion Ratio Lower Upper

77 100

105 43.1 71.8 111.8#

106 3.8 66.8 106.8#



#15

Benzyl Alcohol

Concen: 2.40 ng

RT: 7.21 min Scan# 448

Delta R.T. 0.15 min

Lab File: BF083755.D

Acq: 14 Dec 2015 3:42

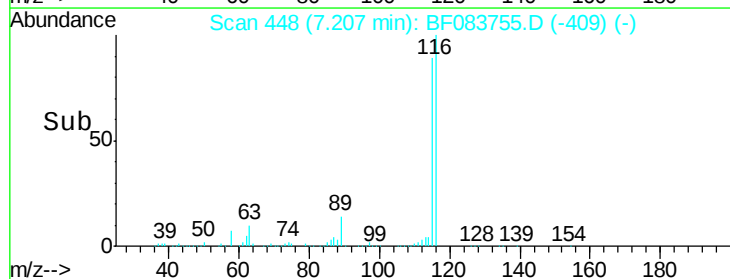
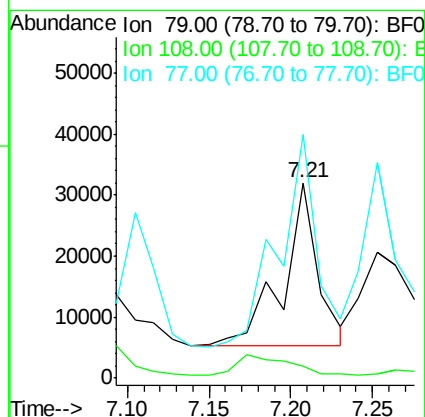
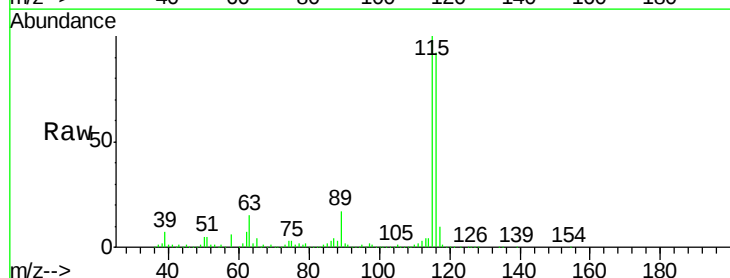
Tgt Ion: 79 Resp: 39723

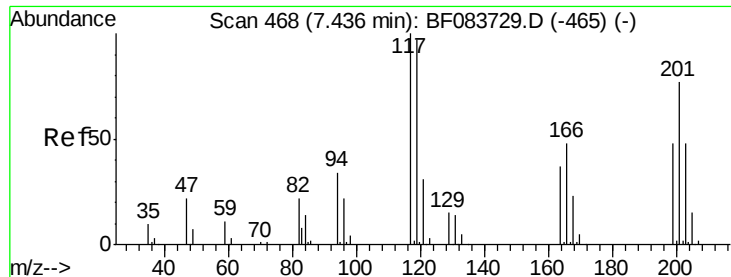
Ion Ratio Lower Upper

79 100

108 6.4 59.6 89.4#

77 124.7 49.8 74.6#





#18

Hexachloroethane

Concen: 94.72 ng

RT: 7.60 min Scan# 482

Delta R.T. 0.15 min

Lab File: BF083755.D

Acq: 14 Dec 2015 3:42

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPH

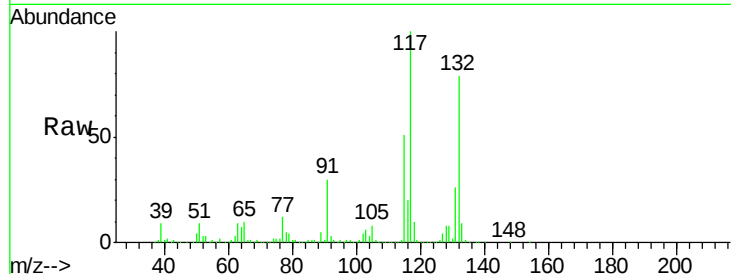
Tgt Ion:117 Resp: 754890

Ion Ratio Lower Upper

117 100

119 1.2 77.2 115.8#

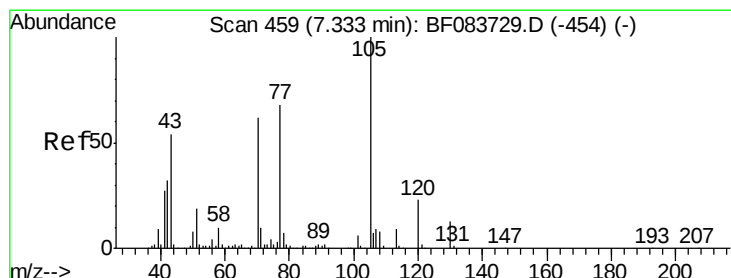
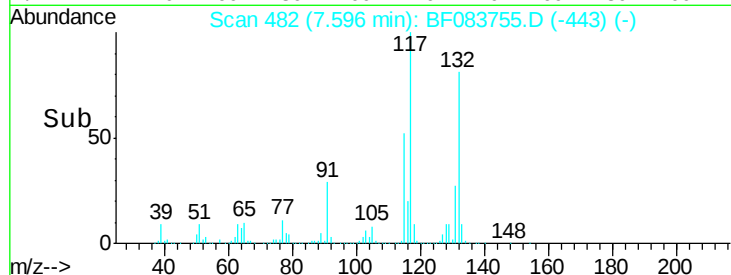
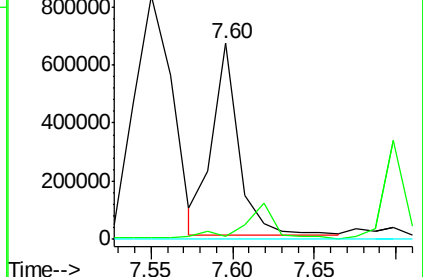
201 0.0 86.8 130.2#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#19

n-Nitroso-di-n-propylamine

Concen: 5.45 ng

RT: 7.48 min Scan# 472

Delta R.T. 0.14 min

Lab File: BF083755.D

Acq: 14 Dec 2015 3:42

Tgt Ion: 70 Resp: 75302

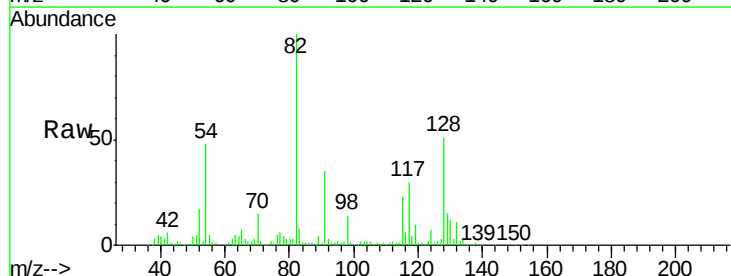
Ion Ratio Lower Upper

70 100

42 40.6 49.2 73.8#

101 2.9 7.1 10.7#

130 83.8 15.4 23.0#

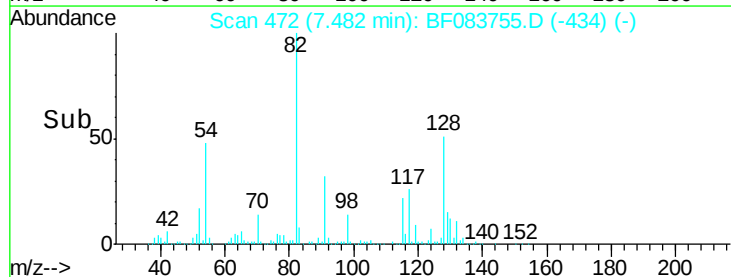
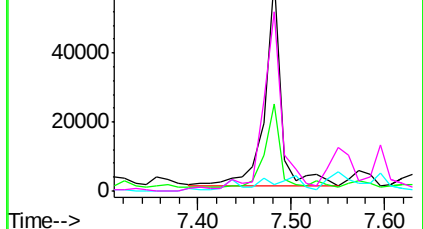


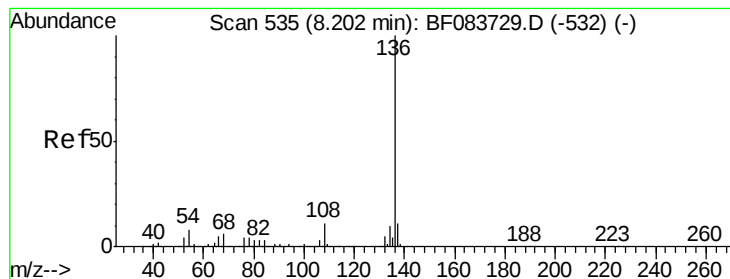
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.43 min Scan# 555

Delta R.T. 0.22 min

Lab File: BF083755.D

Acq: 14 Dec 2015 3:42

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPH

Tgt Ion:136 Resp: 31424

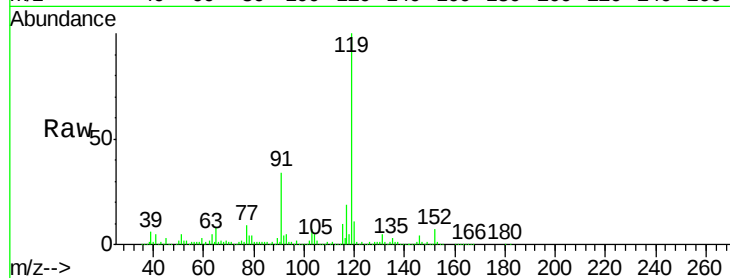
Ion Ratio Lower Upper

136 100

137 100.4 8.7 13.1#

54 18.2 7.8 11.6#

68 39.1 5.7 8.5#

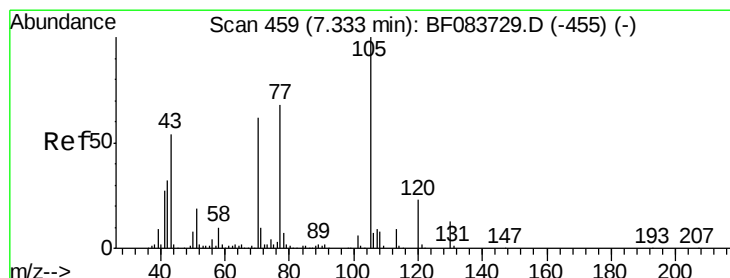
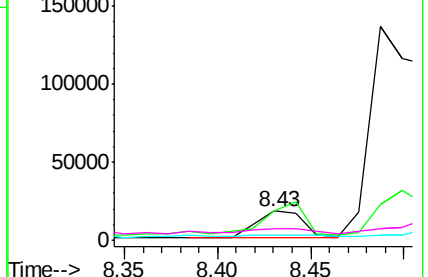
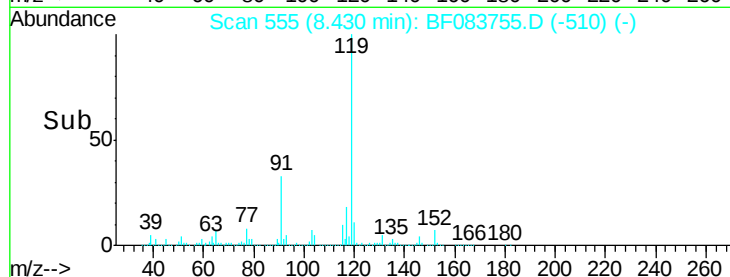


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 140.59 ng

RT: 7.55 min Scan# 478

Delta R.T. 0.22 min

Lab File: BF083755.D

Acq: 14 Dec 2015 3:42

Tgt Ion:105 Resp: 108380

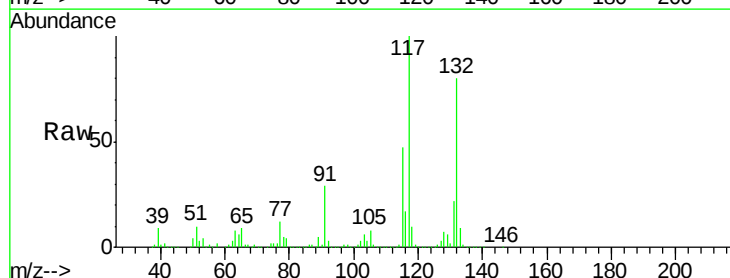
Ion Ratio Lower Upper

105 100

71 3.4 1.3 1.9#

51 119.9 23.8 35.8#

120 0.7 16.7 25.1#

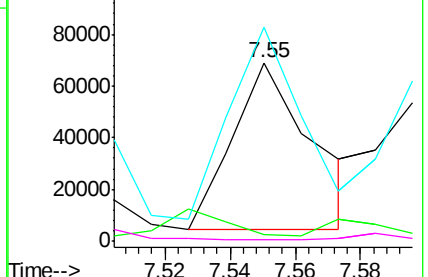
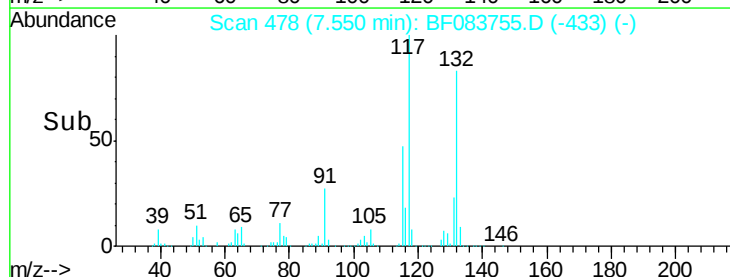


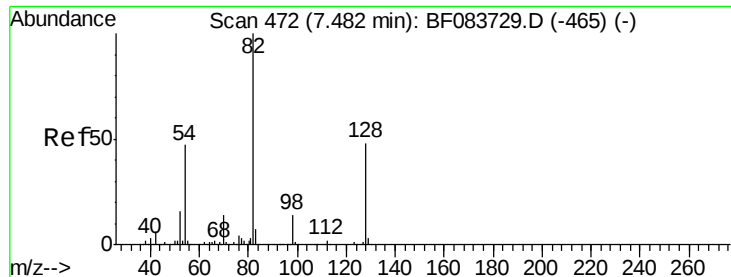
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

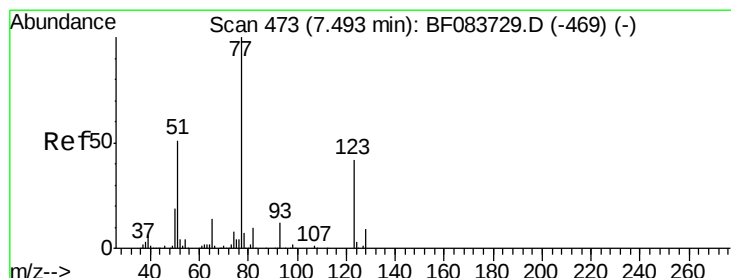
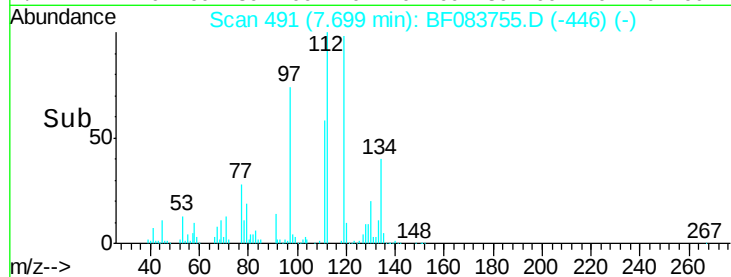
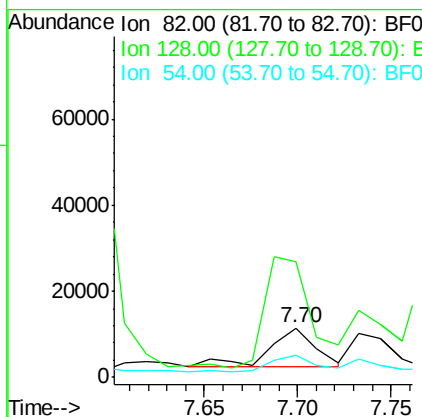
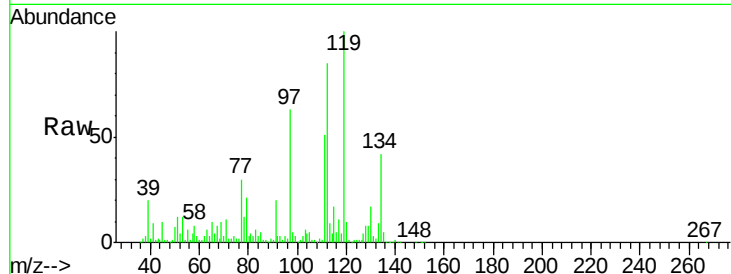




#23
 Nitrobenzene-d5
 Concen: 28.90 ng
 RT: 7.70 min Scan# 491
 Delta R.T. 0.22 min
 Lab File: BF083755.D
 Acq: 14 Dec 2015 3:42

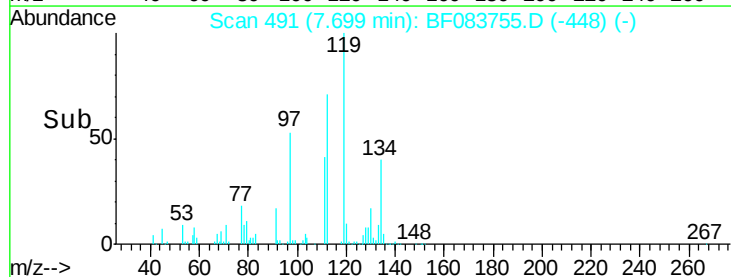
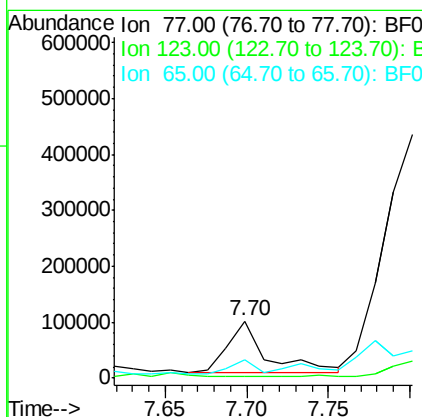
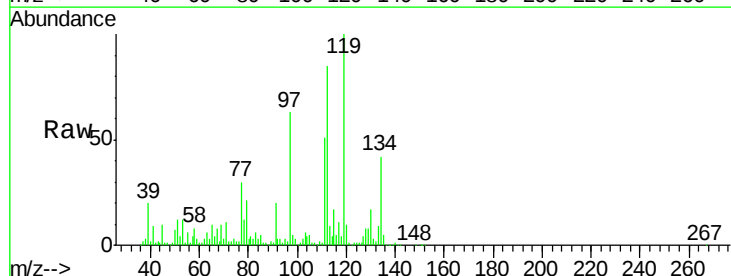
Instrument :
 BNA_F
 ClientSampleId :
 WC121015-SOIL-POPH

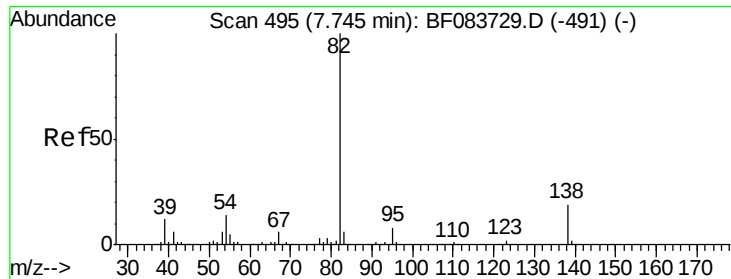
Tgt Ion: 82 Resp: 16230
 Ion Ratio Lower Upper
 82 100
 128 235.4 30.7 46.1#
 54 44.1 42.5 63.7



#24
 Nitrobenzene
 Concen: 251.10 ng
 RT: 7.70 min Scan# 491
 Delta R.T. 0.19 min
 Lab File: BF083755.D
 Acq: 14 Dec 2015 3:42

Tgt Ion: 77 Resp: 146796
 Ion Ratio Lower Upper
 77 100
 123 2.3 29.8 44.6#
 65 31.6 11.1 16.7#





#25

Isophorone

Concen: 3.45 ng

RT: 7.98 min Scan# 516

Delta R.T. 0.24 min

Lab File: BF083755.D

Acq: 14 Dec 2015 3:42

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPH

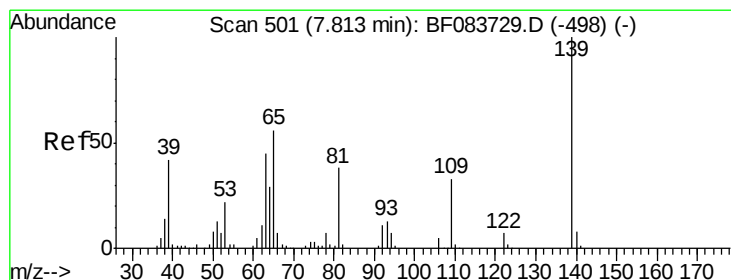
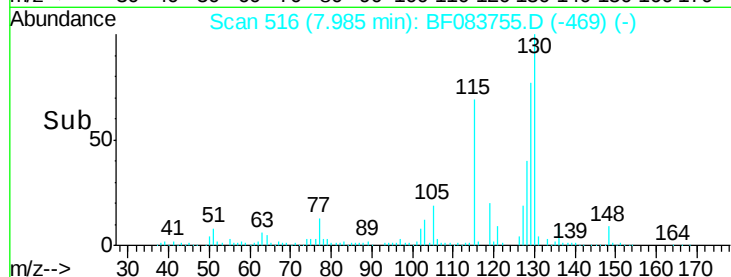
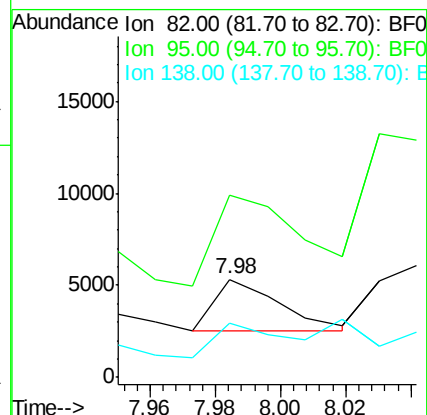
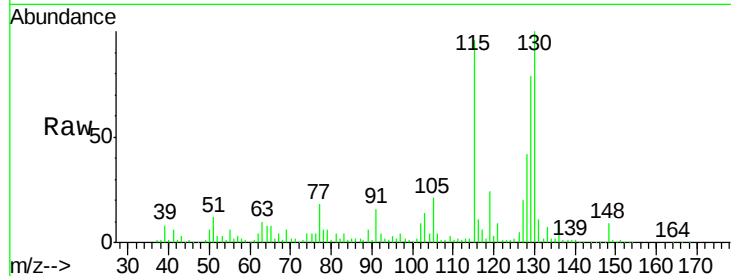
Tgt Ion: 82 Resp: 3807

Ion Ratio Lower Upper

82 100

95 186.3 5.0 7.4#

138 55.8 12.1 18.1#



#26

2-Nitrophenol

Concen: 8.49 ng

RT: 8.04 min Scan# 521

Delta R.T. 0.22 min

Lab File: BF083755.D

Acq: 14 Dec 2015 3:42

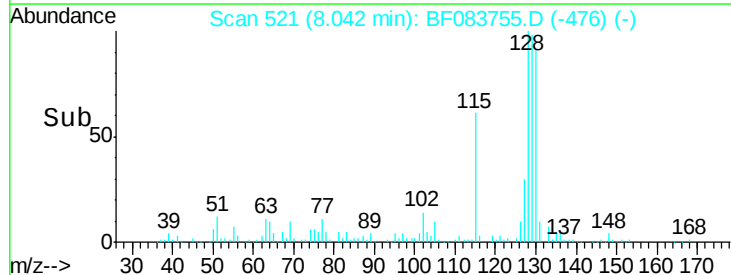
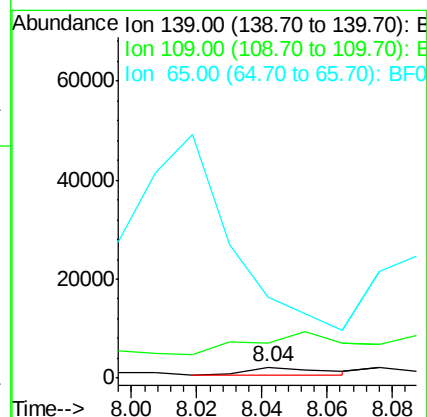
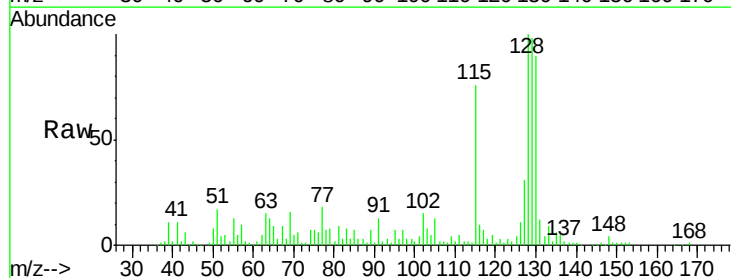
Tgt Ion: 139 Resp: 2384

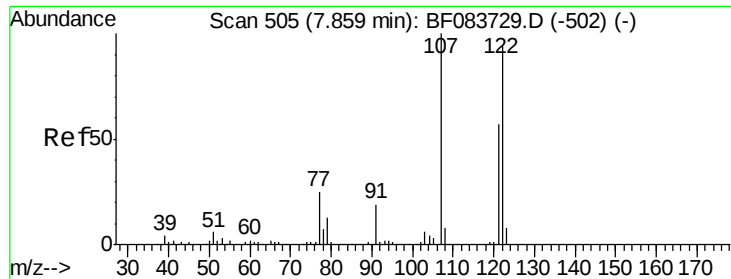
Ion Ratio Lower Upper

139 100

109 319.8 22.7 34.1#

65 745.3 51.8 77.8#





#27

2,4-Dimethylphenol

Concen: 17.88 ng

RT: 8.12 min Scan# 528

Delta R.T. 0.26 min

Lab File: BF083755.D

Acq: 14 Dec 2015 3:42

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPH

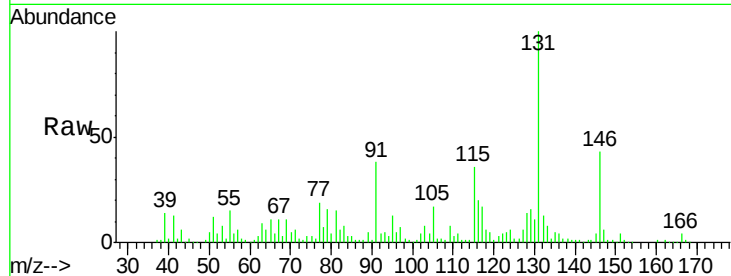
Tgt Ion:122 Resp: 9865

Ion Ratio Lower Upper

122 100

107 69.2 92.4 138.6#

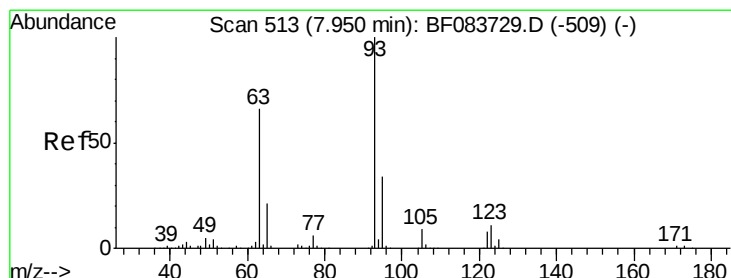
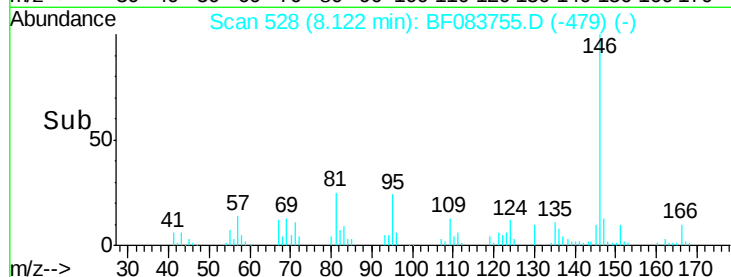
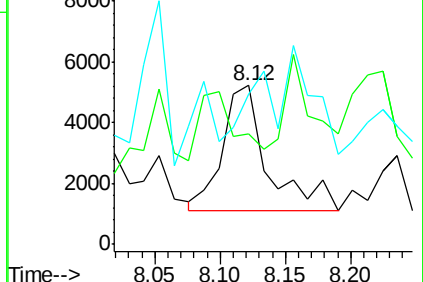
121 94.7 45.8 68.6#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 34.17 ng

RT: 8.16 min Scan# 531

Delta R.T. 0.19 min

Lab File: BF083755.D

Acq: 14 Dec 2015 3:42

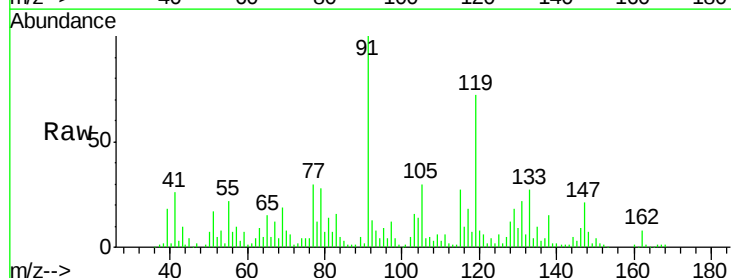
Tgt Ion: 93 Resp: 21486

Ion Ratio Lower Upper

93 100

95 113.6 25.6 38.4#

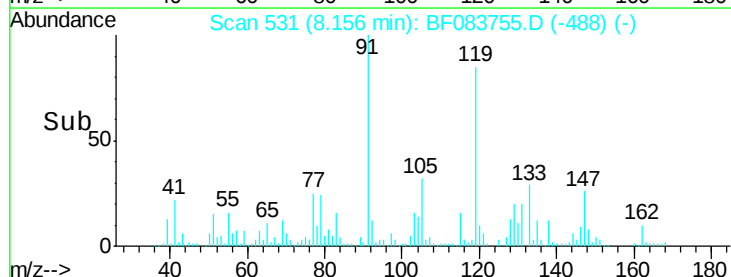
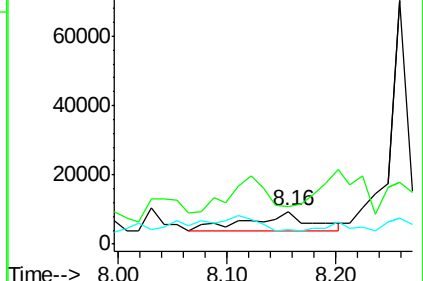
123 43.9 7.3 10.9#

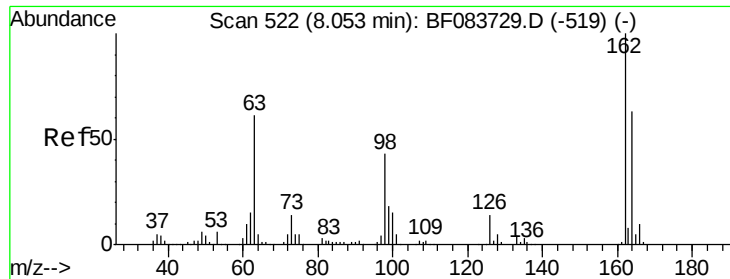


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

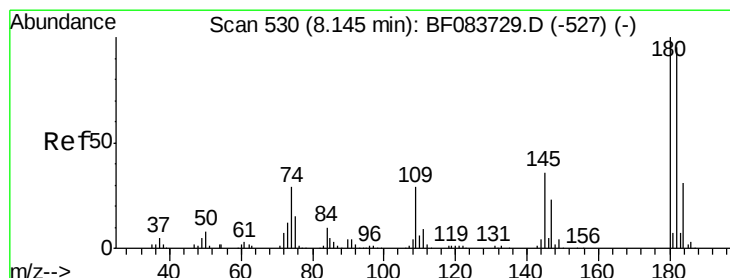
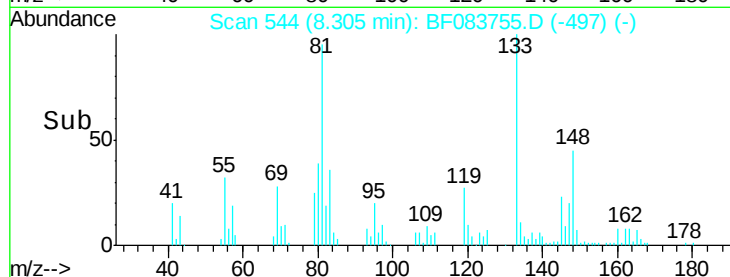
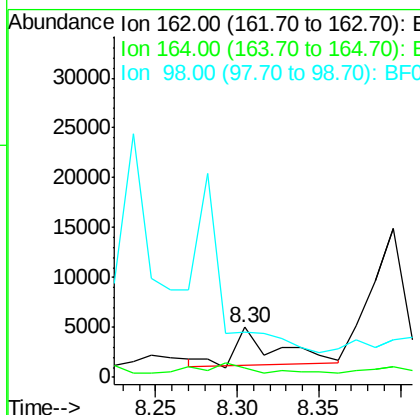
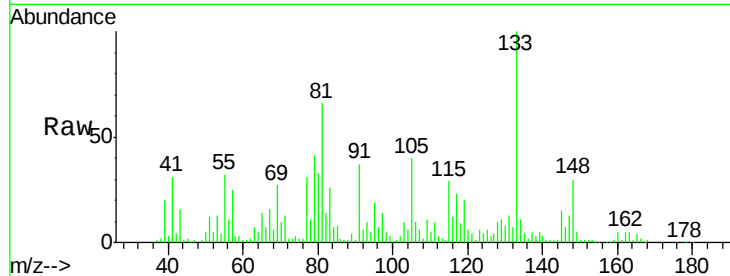




#29
2,4-Dichlorophenol
Concen: 14.92 ng
RT: 8.30 min Scan# 544
Delta R.T. 0.24 min
Lab File: BF083755.D
Acq: 14 Dec 2015 3:42

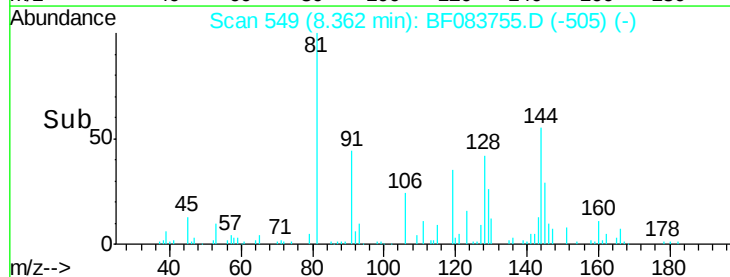
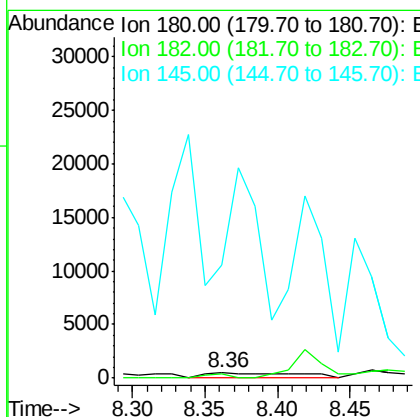
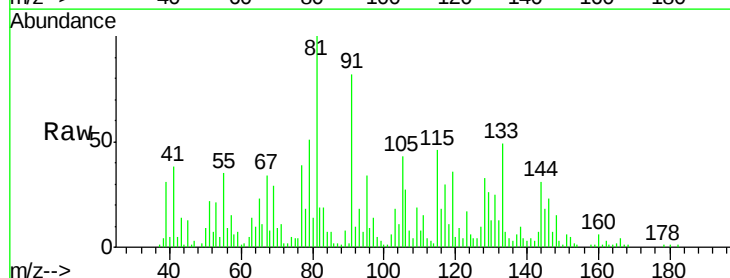
Instrument :
BNA_F
ClientSampleId :
WC121015-SOIL-POPH

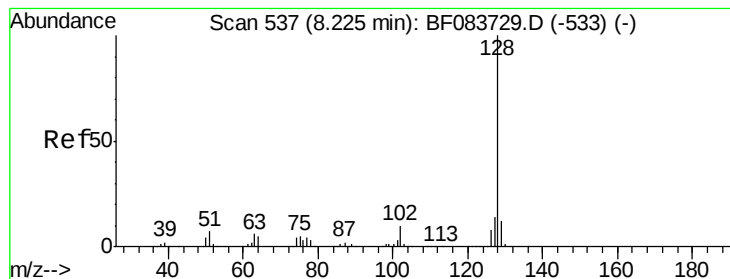
Tgt Ion:162 Resp: 6761
Ion Ratio Lower Upper
162 100
164 19.3 43.4 83.4#
98 91.3 17.5 57.5#



#30
1,2,4-Trichlorobenzene
Concen: 4.86 ng
RT: 8.36 min Scan# 549
Delta R.T. 0.21 min
Lab File: BF083755.D
Acq: 14 Dec 2015 3:42

Tgt Ion:180 Resp: 2283
Ion Ratio Lower Upper
180 100
182 83.9 74.9 112.3
145 2204.2 24.7 37.1#





#31

Naphthalene

Concen: 70.94 ng

RT: 8.38 min Scan# 551

Delta R.T. 0.15 min

Lab File: BF083755.D

Acq: 14 Dec 2015 3:42

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPH

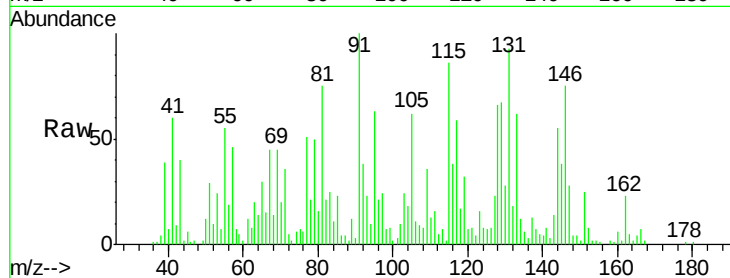
Tgt Ion:128 Resp: 116208

Ion Ratio Lower Upper

128 100

129 102.0 8.6 13.0#

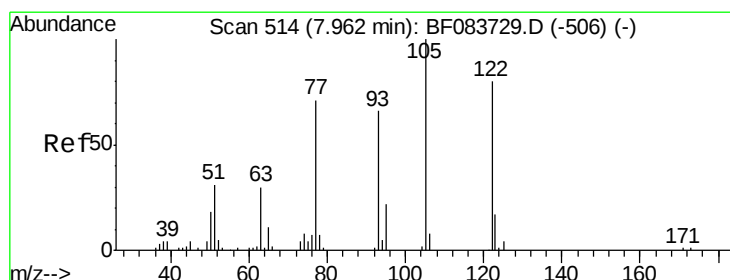
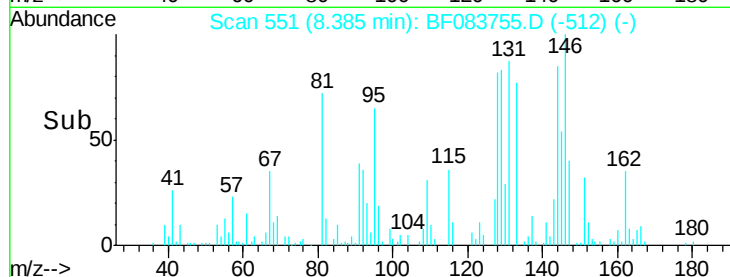
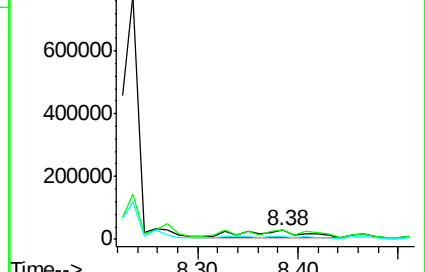
127 34.4 10.6 16.0#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 28.68 ng

RT: 8.12 min Scan# 528

Delta R.T. 0.16 min

Lab File: BF083755.D

Acq: 14 Dec 2015 3:42

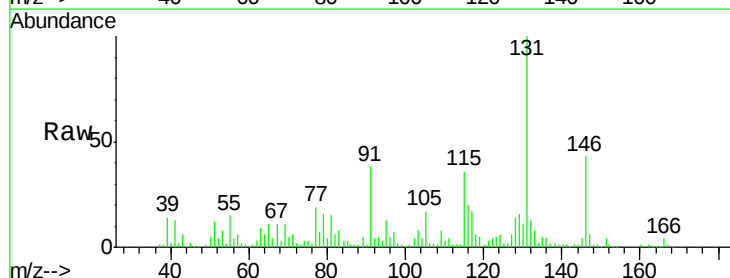
Tgt Ion:122 Resp: 9865

Ion Ratio Lower Upper

122 100

105 483.7 105.6 145.6#

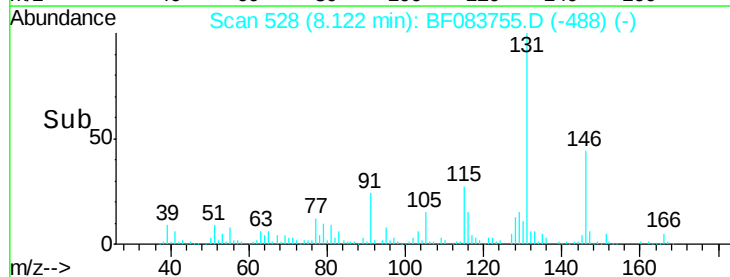
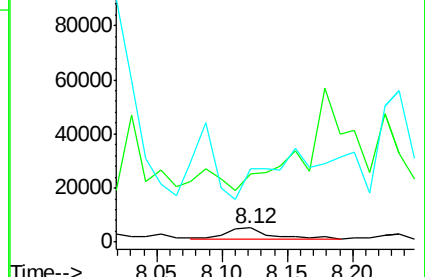
77 522.0 86.8 126.8#

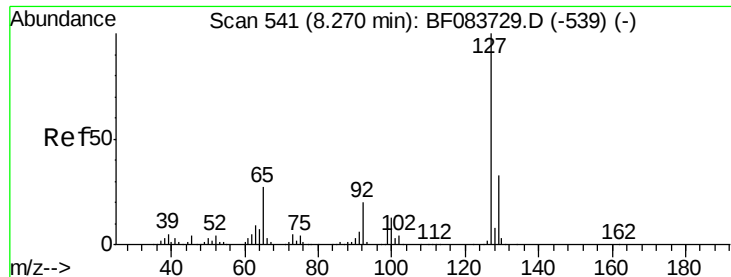


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

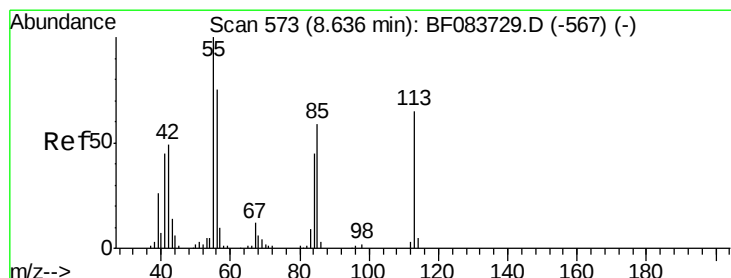
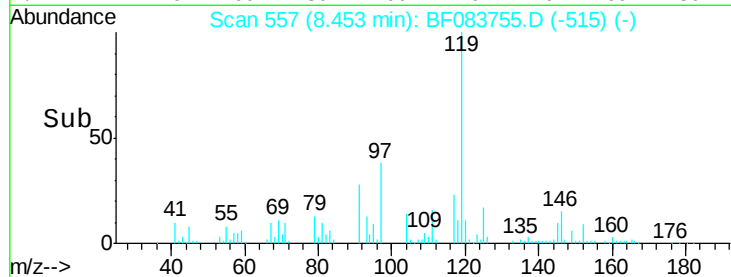
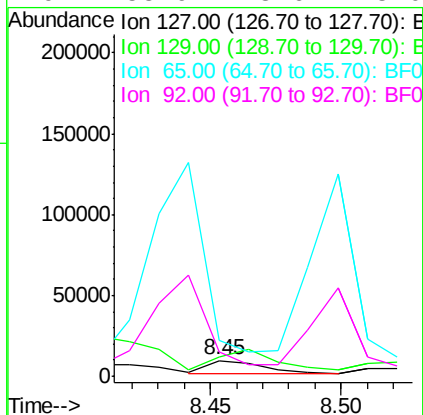
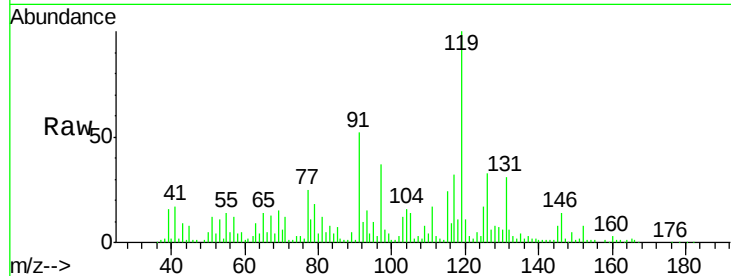




#33
4-Chloroaniline
Concen: 17.35 ng
RT: 8.45 min Scan# 557
Delta R.T. 0.18 min
Lab File: BF083755.D
Acq: 14 Dec 2015 3:42

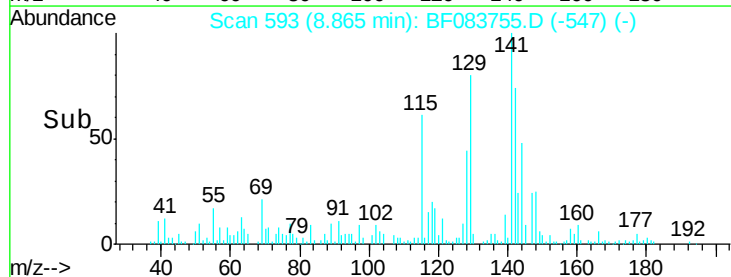
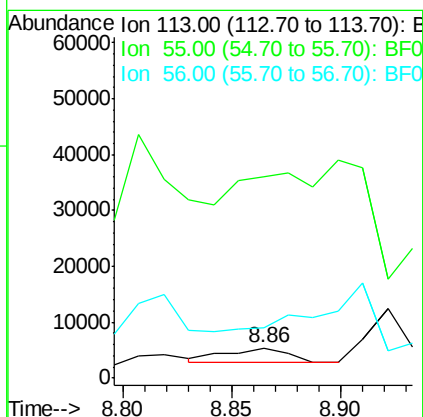
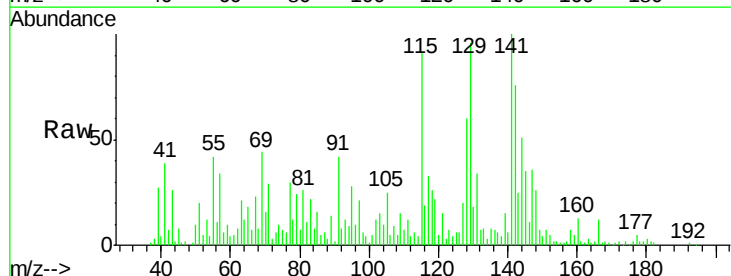
Instrument :
BNA_F
ClientSampleId :
WC121015-SOIL-POPH

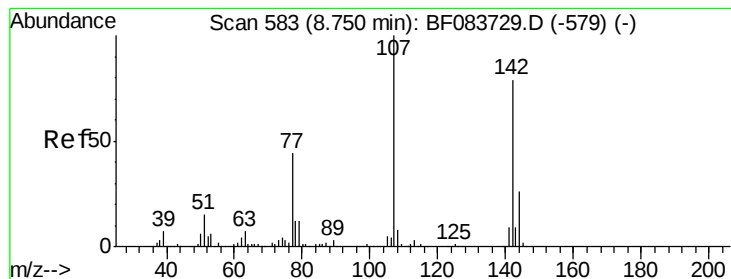
Tgt Ion:127 Resp: 11608
Ion Ratio Lower Upper
127 100
129 121.5 26.1 39.1#
65 225.7 33.5 50.3#
92 155.9 18.6 28.0#



#35
Caprolactam
Concen: 36.41 ng
RT: 8.86 min Scan# 593
Delta R.T. 0.23 min
Lab File: BF083755.D
Acq: 14 Dec 2015 3:42

Tgt Ion:113 Resp: 5297
Ion Ratio Lower Upper
113 100
55 674.3 189.7 229.7#
56 169.0 130.7 170.7





#36

4-Chloro-3-methylphenol

Concen: 58.12 ng

RT: 8.99 min Scan# 604

Delta R.T. 0.24 min

Lab File: BF083755.D

Acq: 14 Dec 2015 3:42

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPH

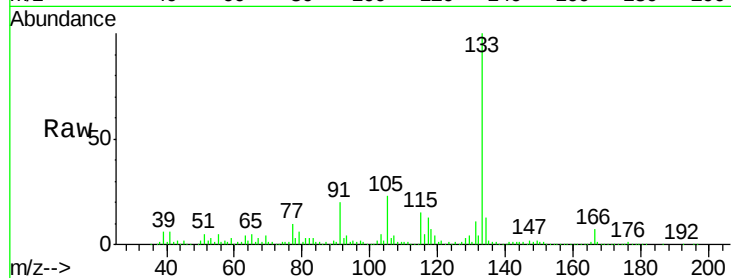
Tgt Ion:107 Resp: 30797

Ion Ratio Lower Upper

107 100

144 31.4 17.5 26.3#

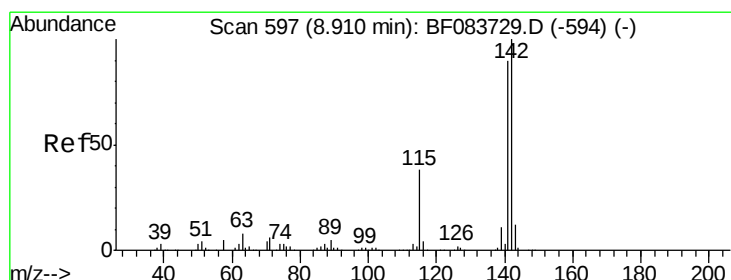
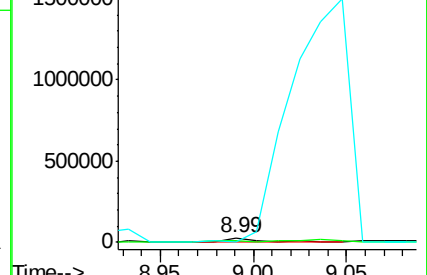
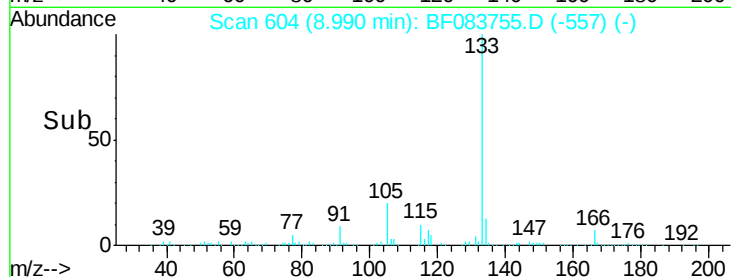
142 13.6 53.6 80.4#



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E



#37

2-Methylnaphthalene

Concen: 3155.18 ng

RT: 9.05 min Scan# 609

Delta R.T. 0.13 min

Lab File: BF083755.D

Acq: 14 Dec 2015 3:42

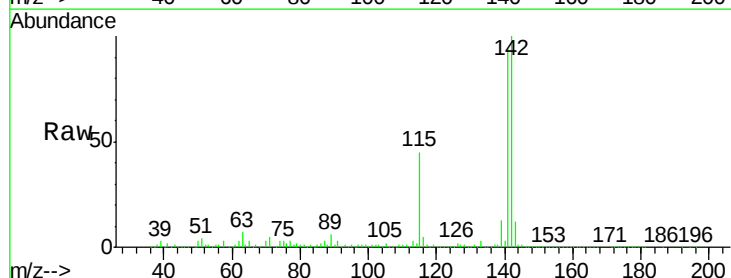
Tgt Ion:142 Resp: 3244725

Ion Ratio Lower Upper

142 100

141 94.5 70.3 105.5

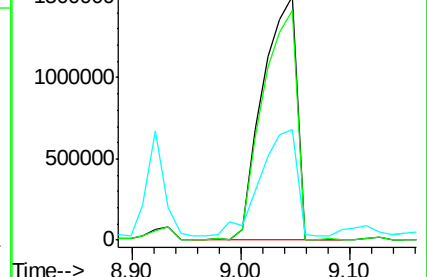
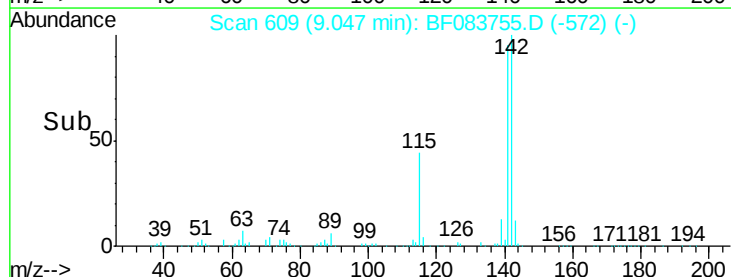
115 45.2 29.2 43.8#

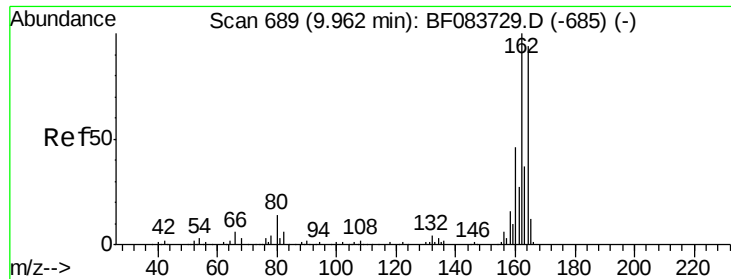


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

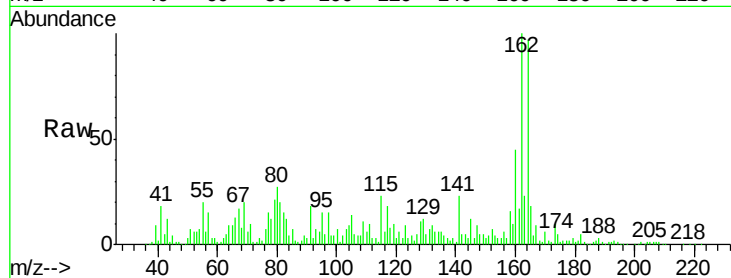




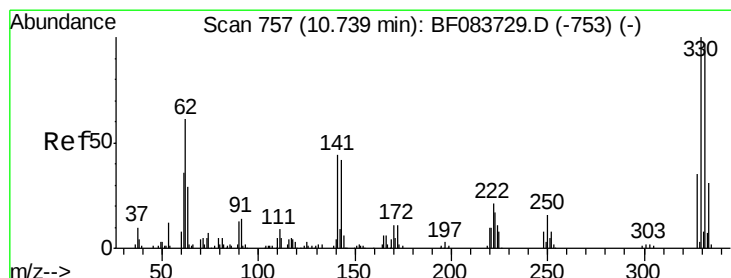
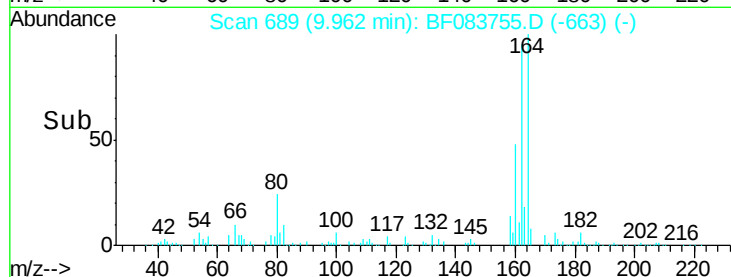
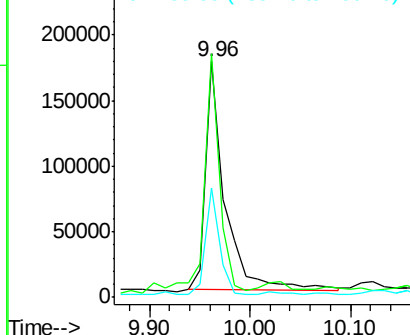
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.96 min Scan# 689
Delta R.T. 0.00 min
Lab File: BF083755.D
Acq: 14 Dec 2015 3:42

Instrument :
BNA_F
ClientSampleId :
WC121015-SOIL-POPH

Tgt Ion:164 Resp: 231675
Ion Ratio Lower Upper
164 100
162 103.5 78.8 118.2
160 46.4 33.4 50.2

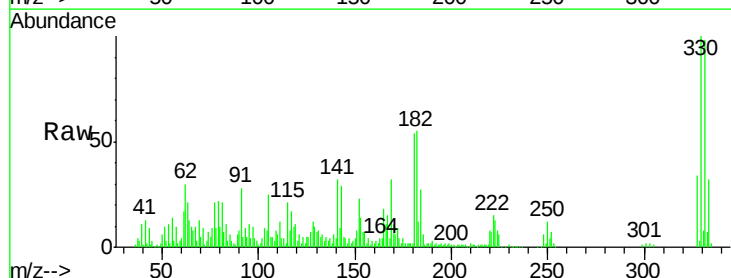


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

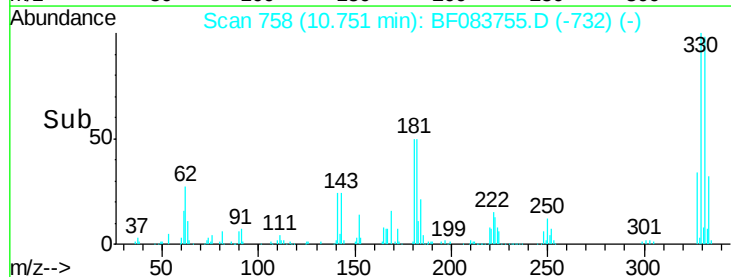
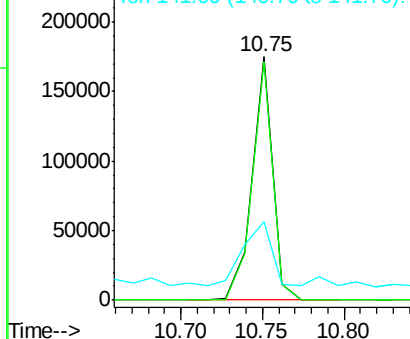


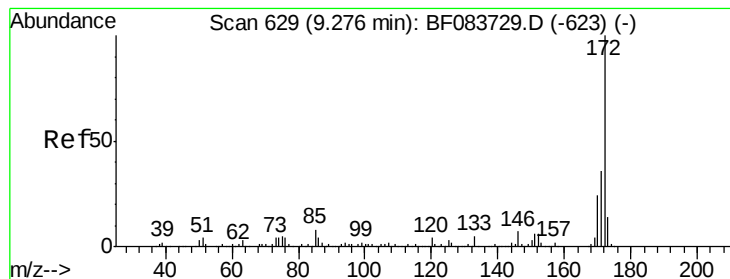
#41
2,4,6-Tribromophenol
Concen: 64.52 ng
RT: 10.75 min Scan# 758
Delta R.T. 0.00 min
Lab File: BF083755.D
Acq: 14 Dec 2015 3:42

Tgt Ion:330 Resp: 152317
Ion Ratio Lower Upper
330 100
332 97.7 0.0 0.0#
141 36.8 0.0 0.0#



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 32.93 ng

RT: 9.29 min Scan# 630

Delta R.T. 0.00 min

Lab File: BF083755.D

Acq: 14 Dec 2015 3:42

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPH

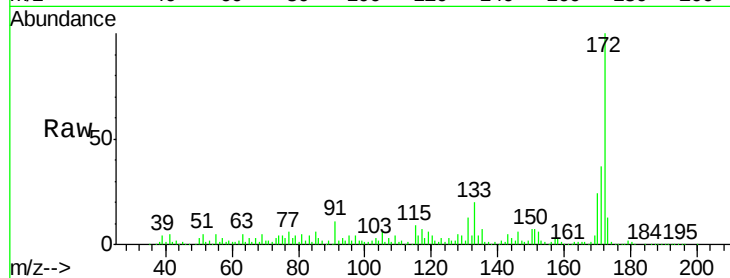
Tgt Ion:172 Resp: 611465

Ion Ratio Lower Upper

172 100

171 36.8 28.6 42.8

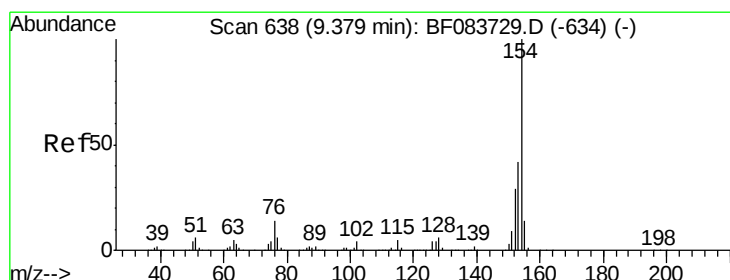
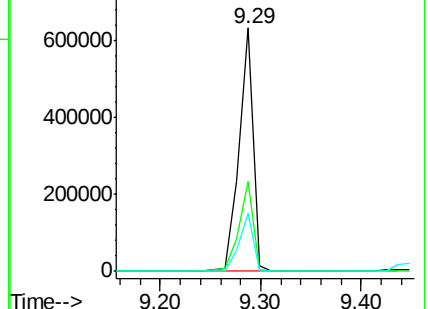
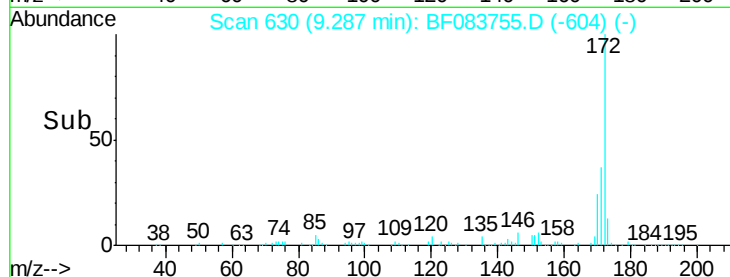
170 24.1 19.4 29.0



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#45

1,1'-Biphenyl

Concen: 4.85 ng

RT: 9.39 min Scan# 639

Delta R.T. 0.00 min

Lab File: BF083755.D

Acq: 14 Dec 2015 3:42

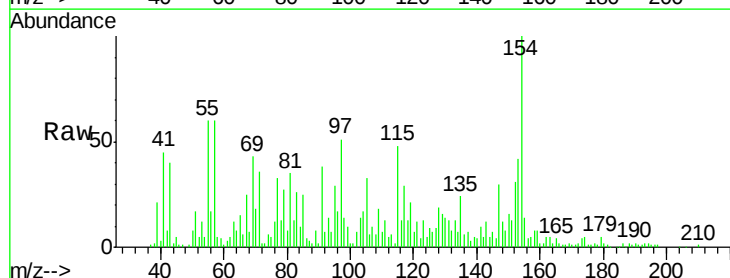
Tgt Ion:154 Resp: 99664

Ion Ratio Lower Upper

154 100

153 41.5 20.2 60.2

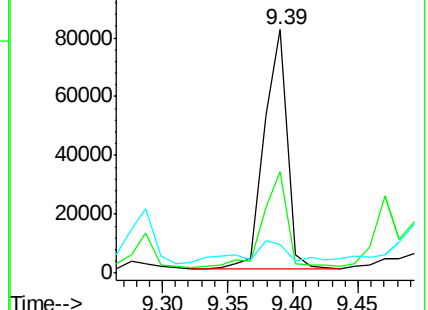
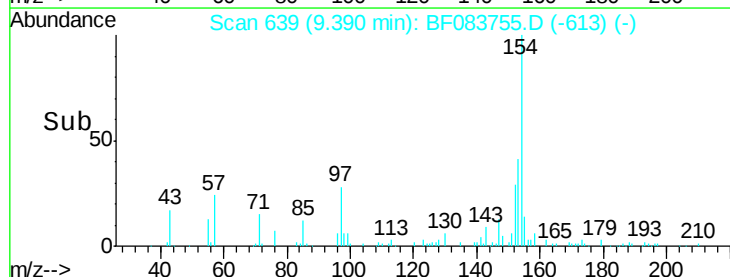
76 11.8 0.0 34.8

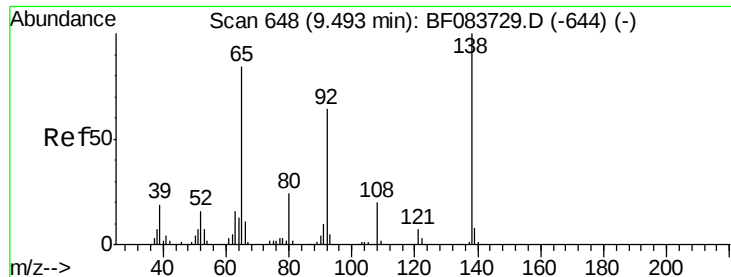


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0





#47

2-Nitroaniline

Concen: 2.82 ng

RT: 9.49 min Scan# 648

Delta R.T. 0.00 min

Lab File: BF083755.D

Acq: 14 Dec 2015 3:42

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPH

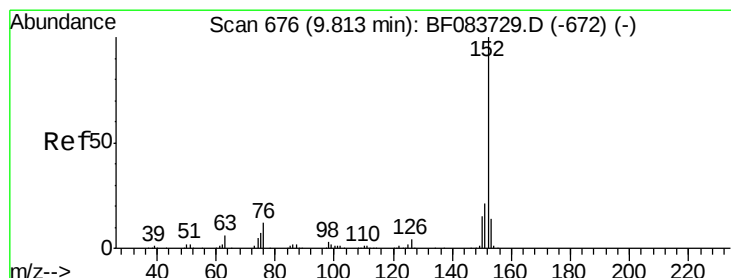
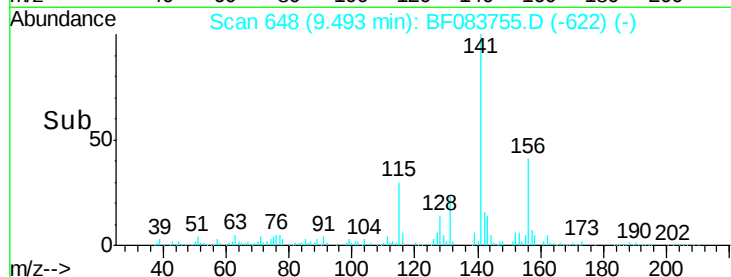
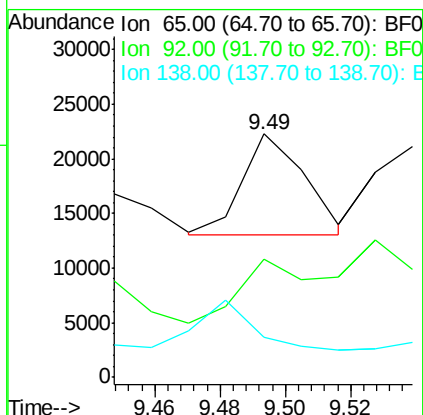
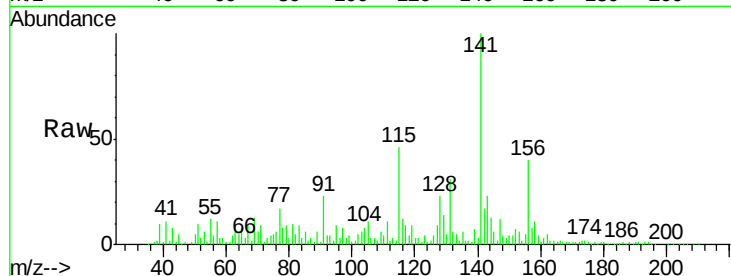
Tgt Ion: 65 Resp: 12137

Ion Ratio Lower Upper

65 100

92 48.4 49.6 74.4#

138 16.4 64.1 96.1#



#48

Acenaphthylene

Concen: 49.68 ng

RT: 9.84 min Scan# 678

Delta R.T. 0.01 min

Lab File: BF083755.D

Acq: 14 Dec 2015 3:42

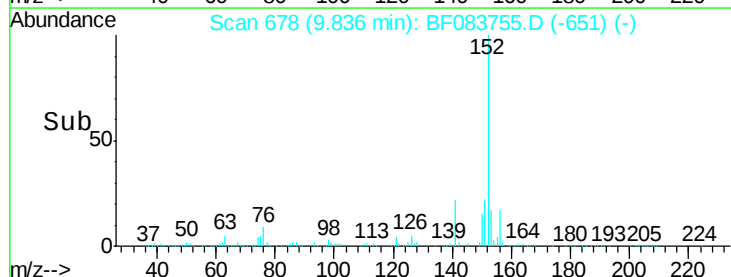
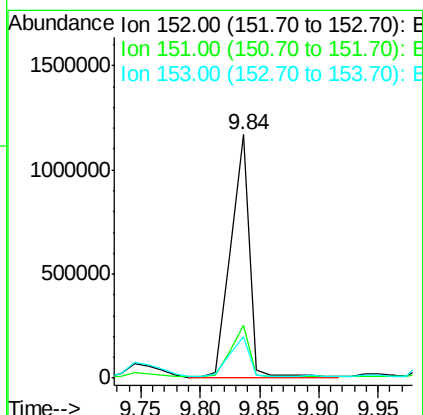
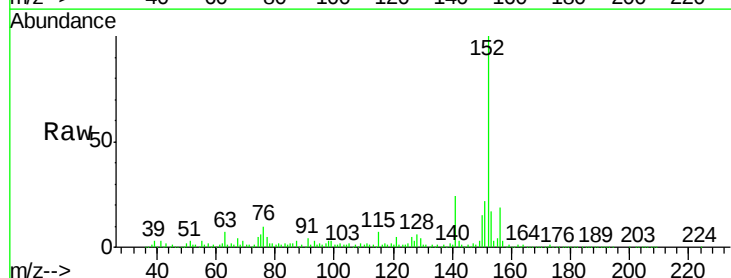
Tgt Ion: 152 Resp: 1266736

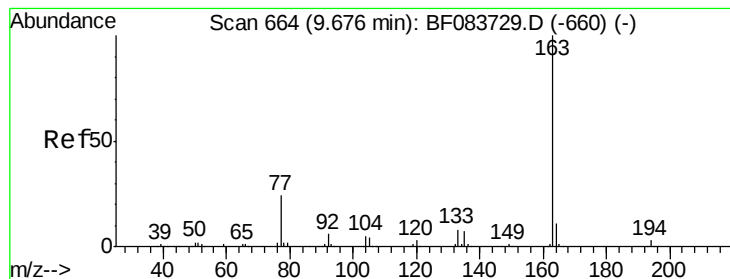
Ion Ratio Lower Upper

152 100

151 21.9 16.3 24.5

153 16.9 10.8 16.2#





#49

Dimethylphthalate

Concen: 7.82 ng

RT: 9.68 min Scan# 664

Delta R.T. -0.01 min

Lab File: BF083755.D

Acq: 14 Dec 2015 3:42

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPH

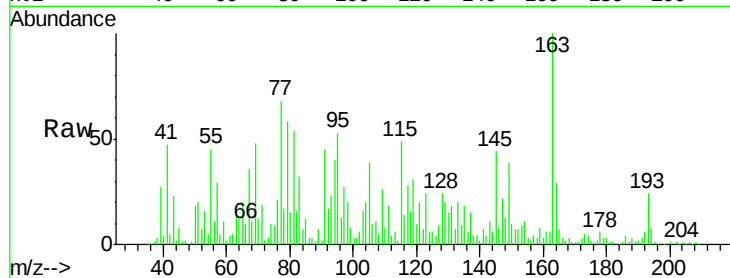
Tgt Ion:163 Resp: 141311

Ion Ratio Lower Upper

163 100

194 7.6 2.8 4.2#

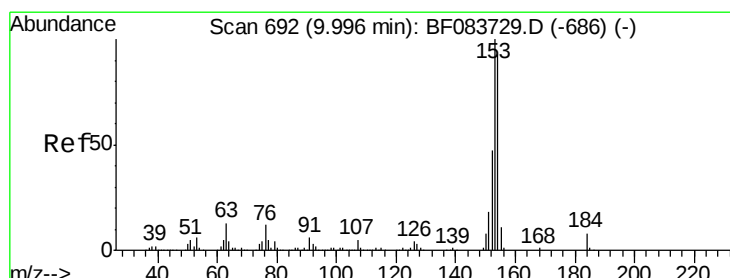
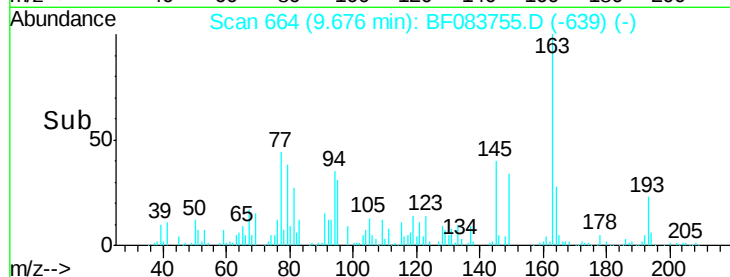
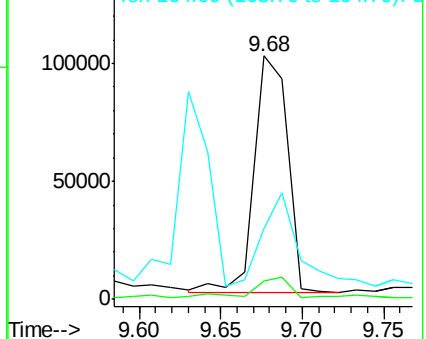
164 29.1 8.6 13.0#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

Acenaphthene

Concen: 27.42 ng

RT: 10.00 min Scan# 692

Delta R.T. 0.00 min

Lab File: BF083755.D

Acq: 14 Dec 2015 3:42

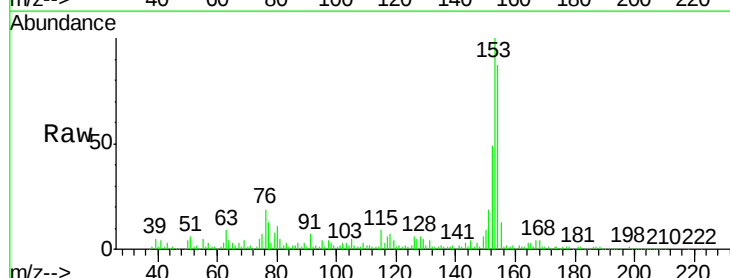
Tgt Ion:154 Resp: 422673

Ion Ratio Lower Upper

154 100

153 115.4 91.4 137.0

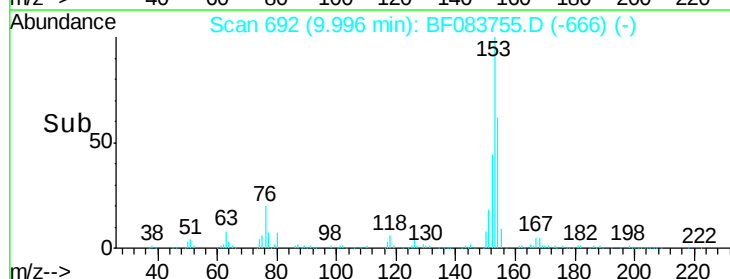
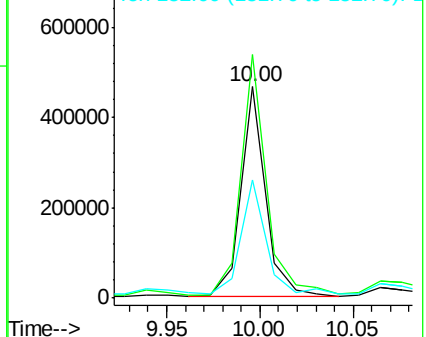
152 56.1 43.4 65.2

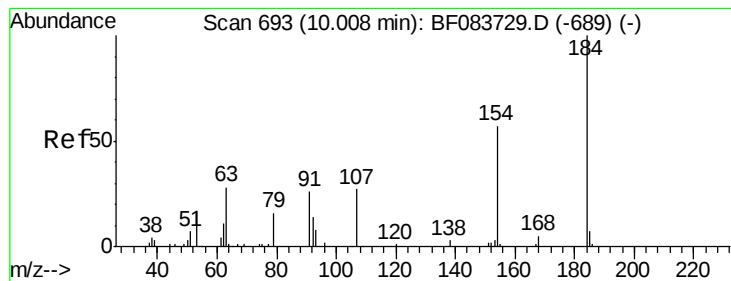


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#53

2,4-Dinitrophenol

Concen: 7.88 ng

RT: 10.02 min Scan# 694

Delta R.T. 0.01 min

Lab File: BF083755.D

Acq: 14 Dec 2015 3:42

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPH

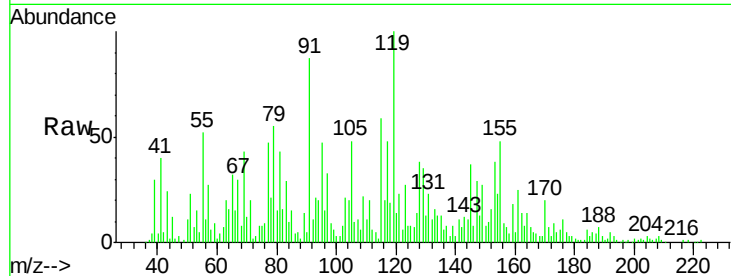
Tgt Ion:184 Resp: 6695

Ion Ratio Lower Upper

184 100

63 333.6 62.4 93.6#

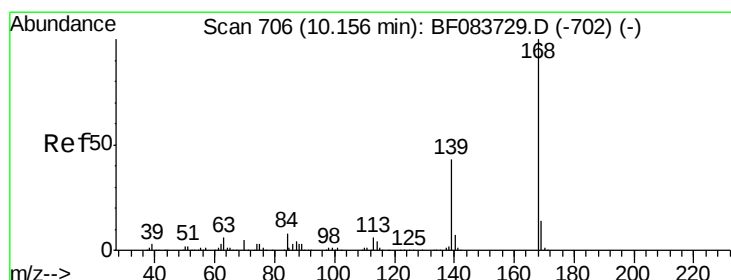
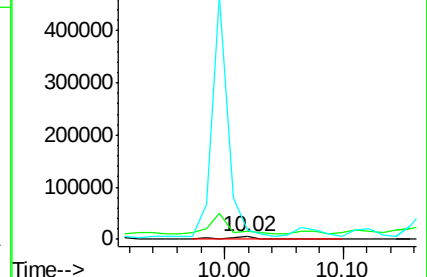
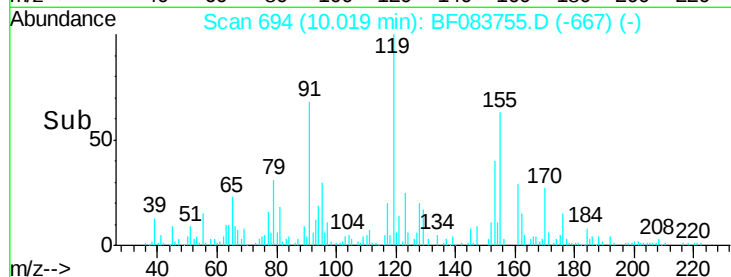
154 390.6 46.6 69.8#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 8.14 ng

RT: 10.17 min Scan# 707

Delta R.T. 0.00 min

Lab File: BF083755.D

Acq: 14 Dec 2015 3:42

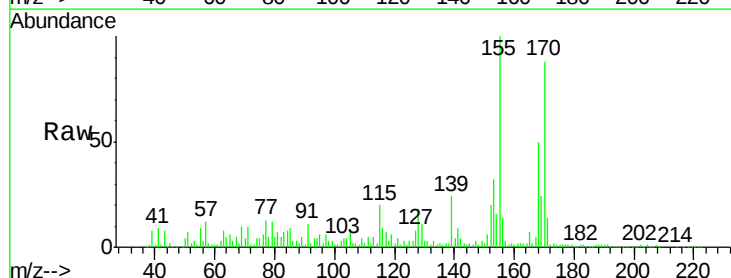
Tgt Ion:168 Resp: 166322

Ion Ratio Lower Upper

168 100

139 48.3 28.0 42.0#

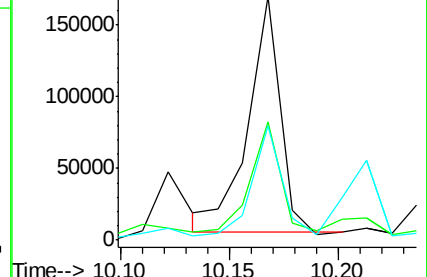
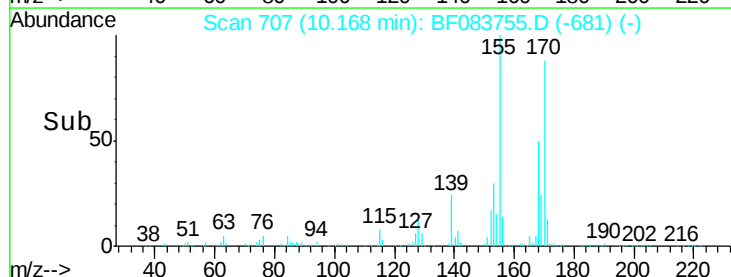
169 47.1 10.8 16.2#

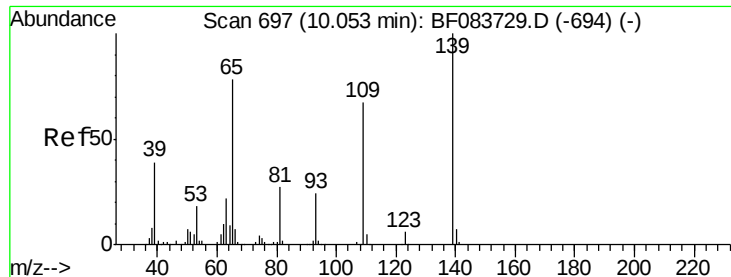


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

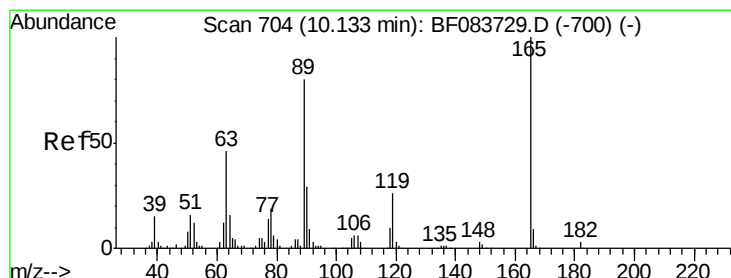
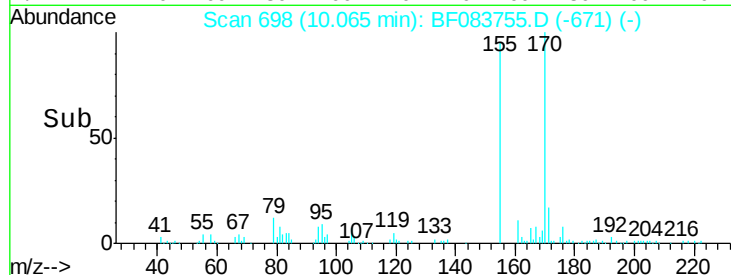
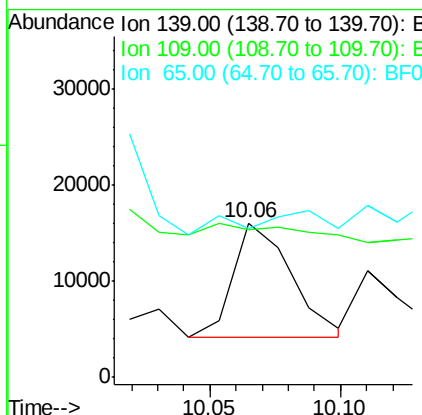
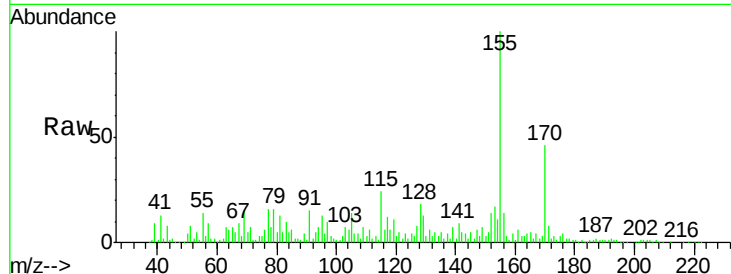




#55
4-Nitrophenol
Concen: 5.61 ng
RT: 10.06 min Scan# 698
Delta R.T. 0.01 min
Lab File: BF083755.D
Acq: 14 Dec 2015 3:42

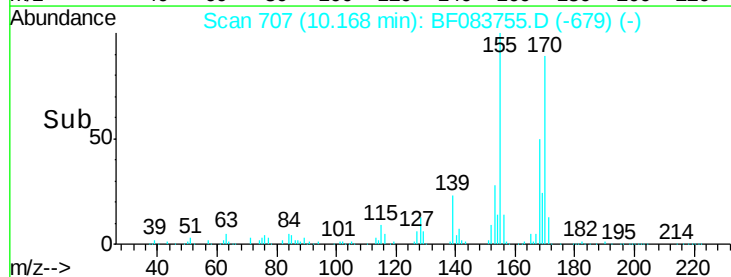
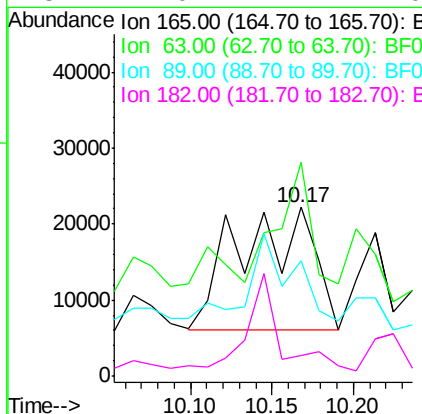
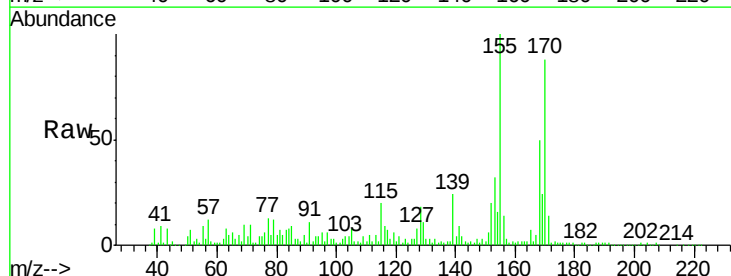
Instrument :
BNA_F
ClientSampleId :
WC121015-SOIL-POPH

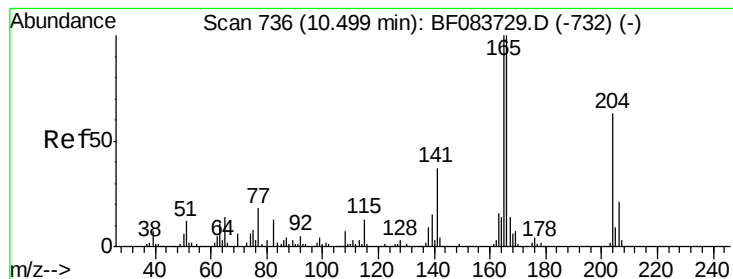
Tgt Ion:139 Resp: 18367
Ion Ratio Lower Upper
139 100
109 95.7 42.0 82.0#
65 96.0 89.2 129.2



#56
2,4-Dinitrotoluene
Concen: 10.16 ng
RT: 10.17 min Scan# 707
Delta R.T. 0.02 min
Lab File: BF083755.D
Acq: 14 Dec 2015 3:42

Tgt Ion:165 Resp: 50883
Ion Ratio Lower Upper
165 100
63 126.8 51.4 77.2#
89 68.8 72.6 108.8#
182 12.0 1.4 2.0#





#57

Fluorene

Concen: 13.10 ng

RT: 10.51 min Scan# 737

Delta R.T. 0.00 min

Lab File: BF083755.D

Acq: 14 Dec 2015 3:42

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPH

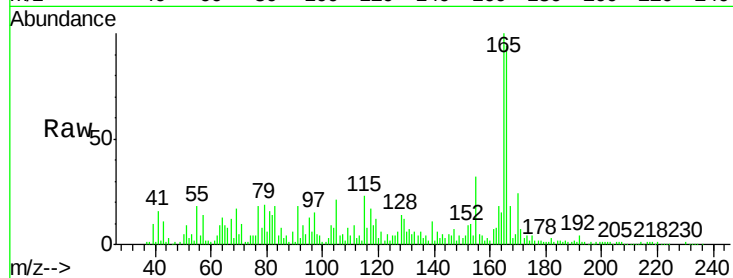
Tgt Ion:166 Resp: 210643

Ion Ratio Lower Upper

166 100

165 106.3 80.0 120.0

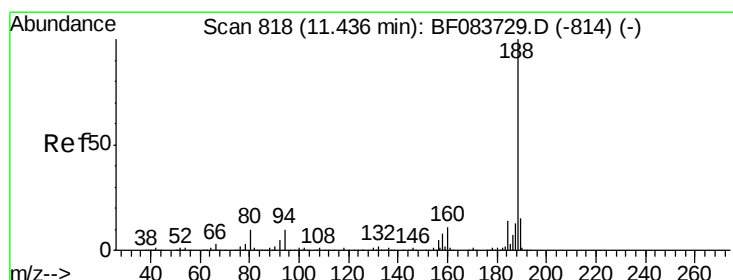
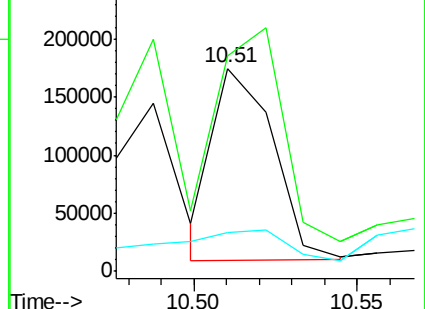
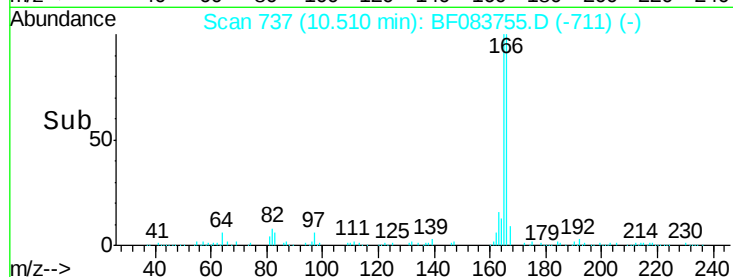
167 18.9 10.6 16.0#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.45 min Scan# 819

Delta R.T. 0.00 min

Lab File: BF083755.D

Acq: 14 Dec 2015 3:42

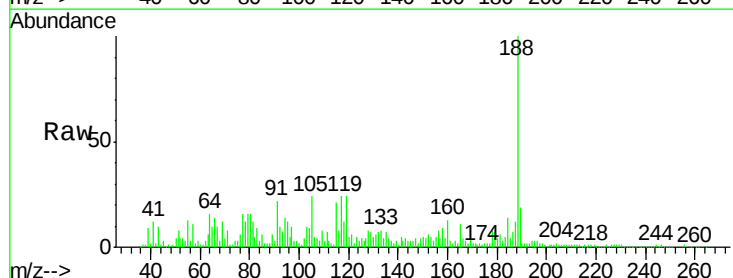
Tgt Ion:188 Resp: 280460

Ion Ratio Lower Upper

188 100

94 13.7 9.4 14.2

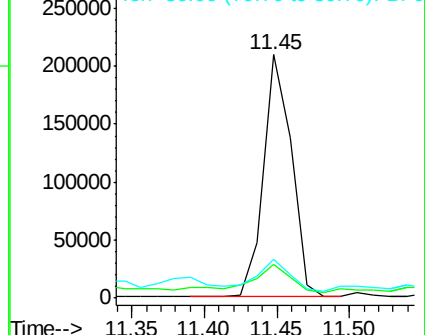
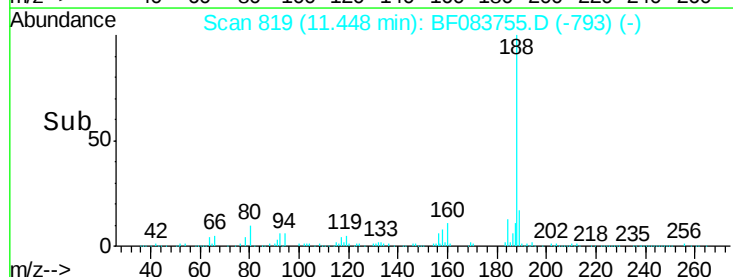
80 16.2 10.6 16.0#

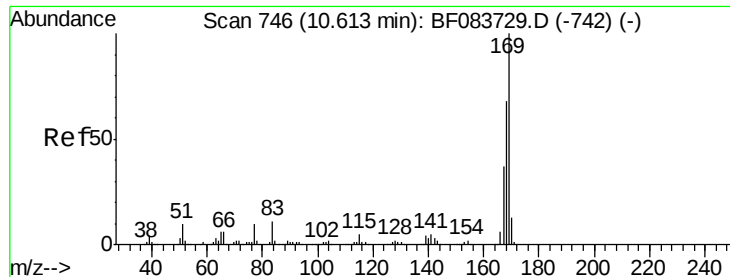


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#65

n-Nitrosodiphenylamine

Concen: 12.80 ng

RT: 10.62 min Scan# 747

Delta R.T. 0.01 min

Lab File: BF083755.D

Acq: 14 Dec 2015 3:42

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPH

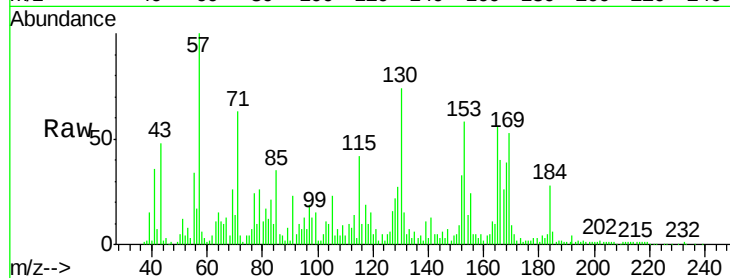
Tgt Ion:169 Resp: 122735

Ion Ratio Lower Upper

169 100

168 73.8 53.0 79.6

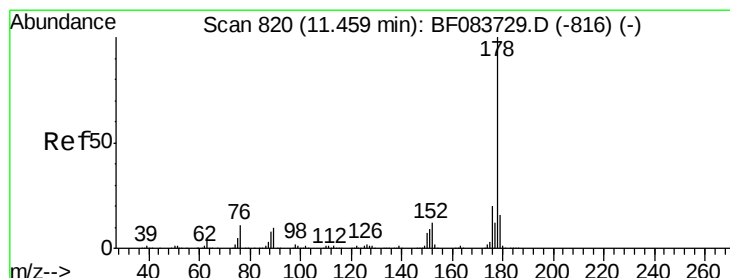
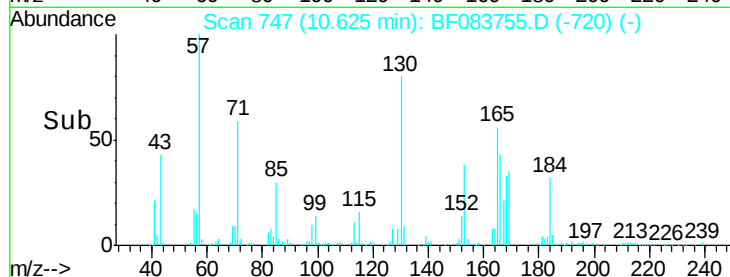
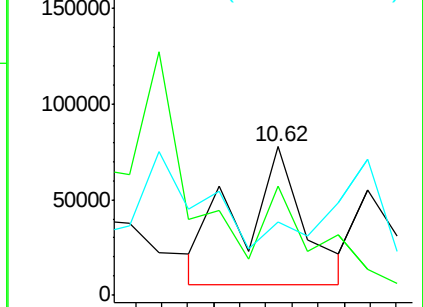
167 49.6 29.3 43.9#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 150.62 ng

RT: 11.48 min Scan# 822

Delta R.T. 0.01 min

Lab File: BF083755.D

Acq: 14 Dec 2015 3:42

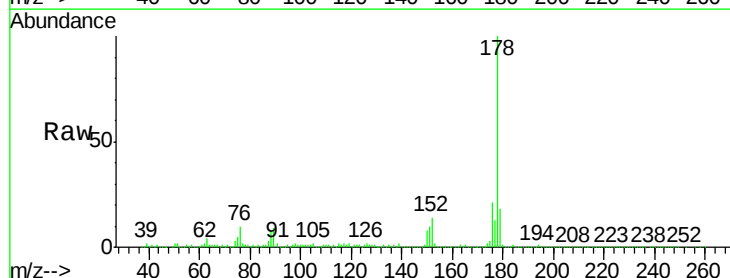
Tgt Ion:178 Resp: 2244095

Ion Ratio Lower Upper

178 100

176 21.3 15.7 23.5

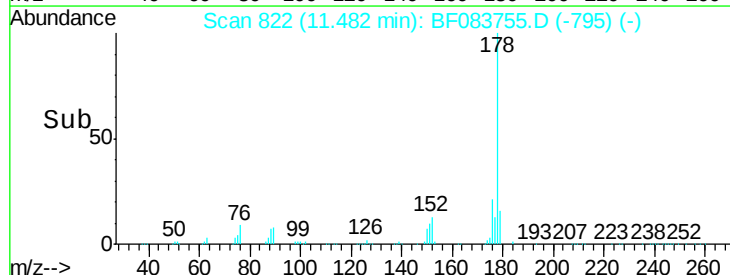
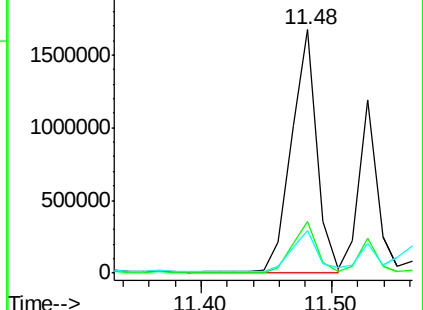
179 17.5 12.2 18.4

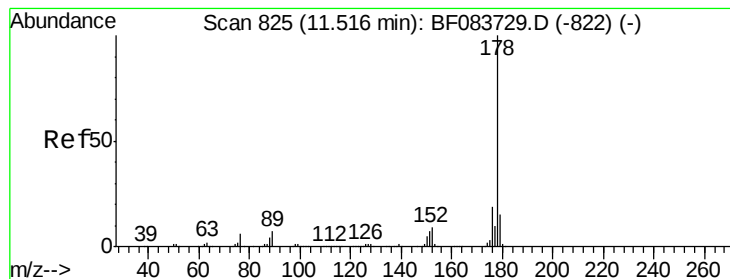


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 78.38 ng

RT: 11.53 min Scan# 826

Delta R.T. 0.01 min

Lab File: BF083755.D

Acq: 14 Dec 2015 3:42

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPH

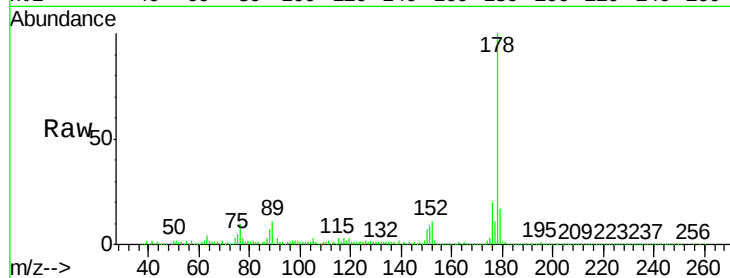
Tgt Ion:178 Resp: 1212875

Ion Ratio Lower Upper

178 100

176 19.9 15.2 22.8

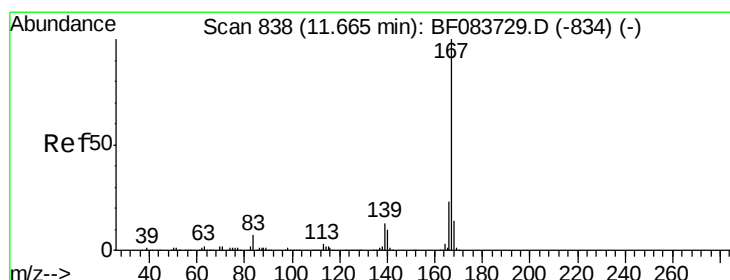
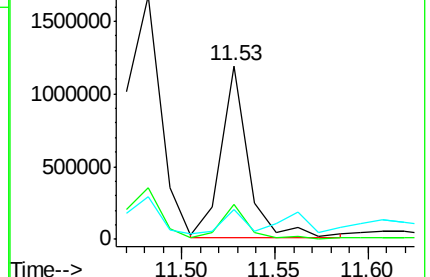
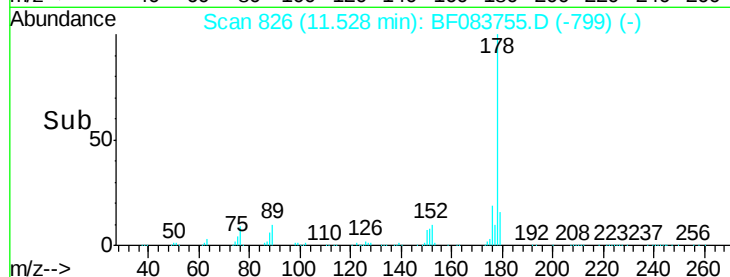
179 16.9 12.6 18.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 3.40 ng

RT: 11.68 min Scan# 839

Delta R.T. 0.01 min

Lab File: BF083755.D

Acq: 14 Dec 2015 3:42

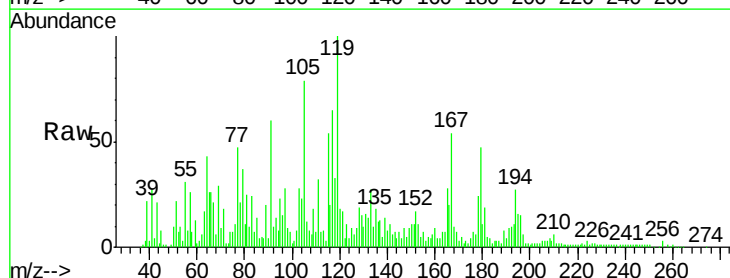
Tgt Ion:167 Resp: 49021

Ion Ratio Lower Upper

167 100

166 38.3 17.2 25.8#

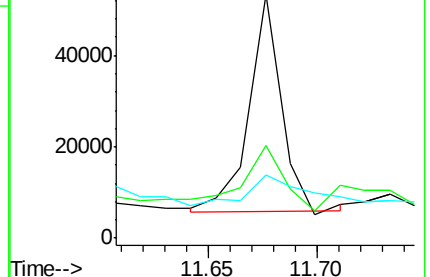
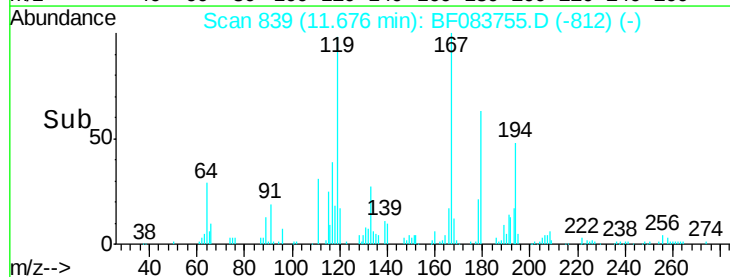
139 25.9 9.3 13.9#

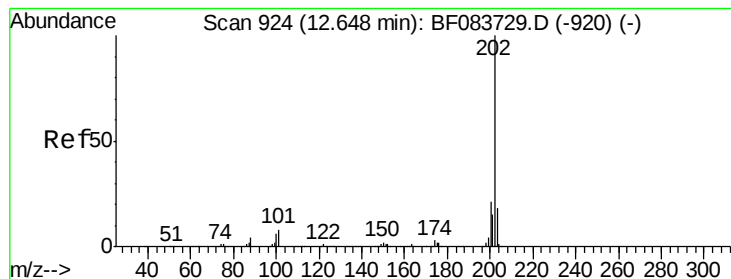


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 84.09 ng

RT: 12.69 min Scan# 928

Delta R.T. 0.05 min

Lab File: BF083755.D

Acq: 14 Dec 2015 3:42

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPH

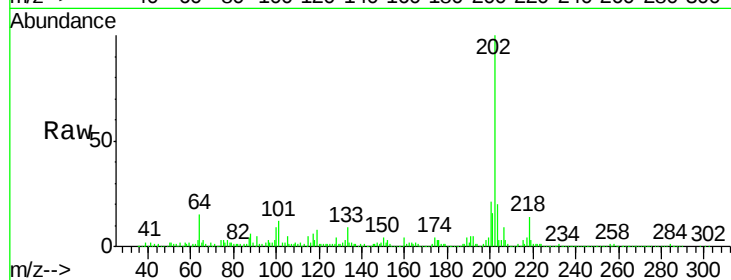
Tgt Ion:202 Resp: 1294618

Ion Ratio Lower Upper

202 100

101 11.9 0.0 31.5

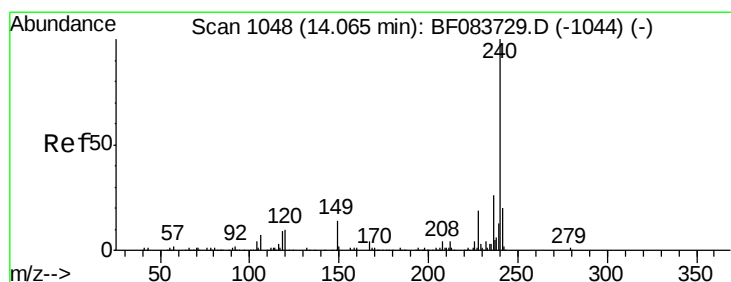
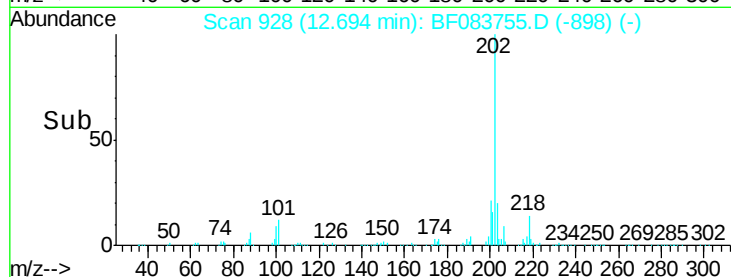
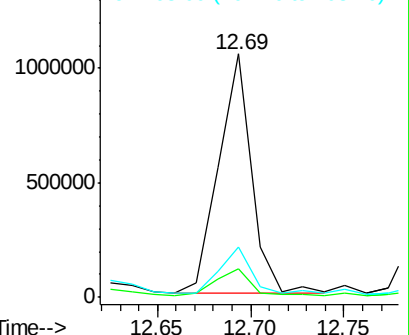
203 20.5 0.0 37.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.10 min Scan# 1051

Delta R.T. 0.02 min

Lab File: BF083755.D

Acq: 14 Dec 2015 3:42

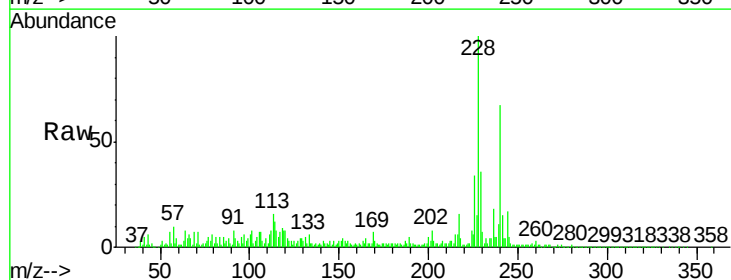
Tgt Ion:240 Resp: 275853

Ion Ratio Lower Upper

240 100

120 12.5 8.1 12.1#

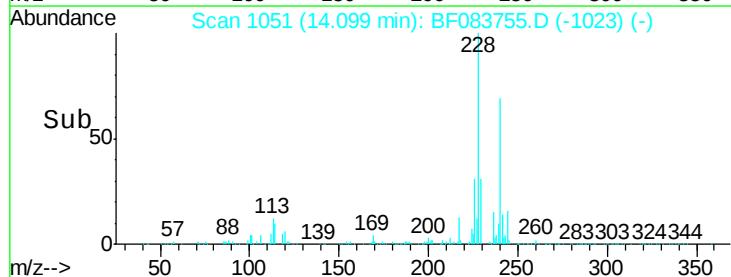
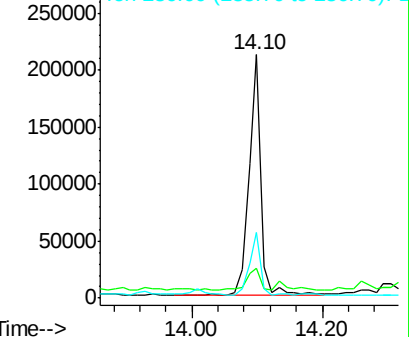
236 26.7 20.8 31.2

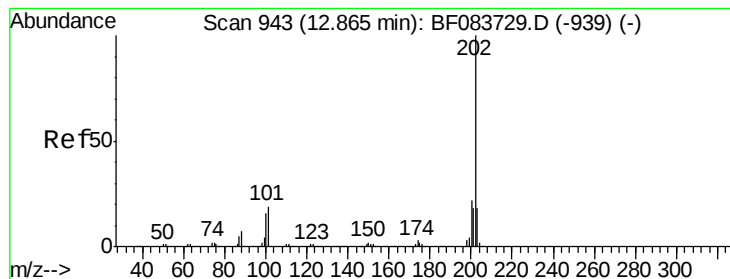


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 96.04 ng

RT: 12.92 min Scan# 948

Delta R.T. 0.05 min

Lab File: BF083755.D

Acq: 14 Dec 2015 3:42

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPH

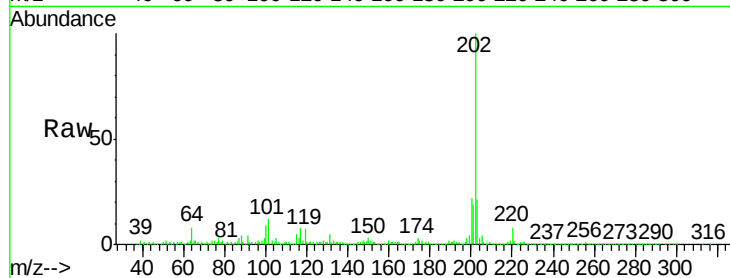
Tgt Ion:202 Resp: 2093941

Ion Ratio Lower Upper

202 100

200 22.3 16.7 25.1

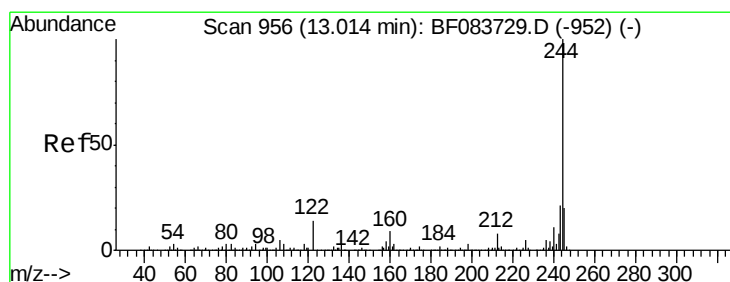
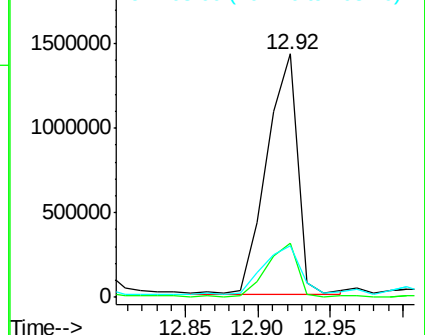
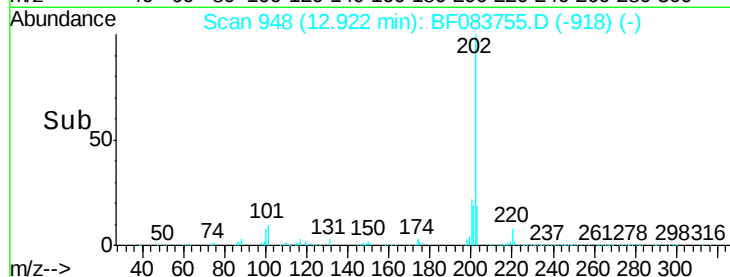
203 21.0 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 36.31 ng

RT: 13.04 min Scan# 958

Delta R.T. 0.01 min

Lab File: BF083755.D

Acq: 14 Dec 2015 3:42

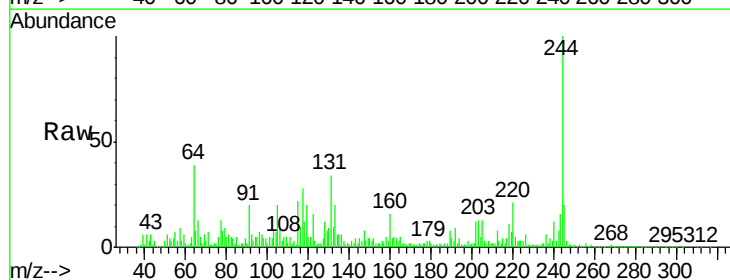
Tgt Ion:244 Resp: 465677

Ion Ratio Lower Upper

244 100

212 8.0 6.1 9.1

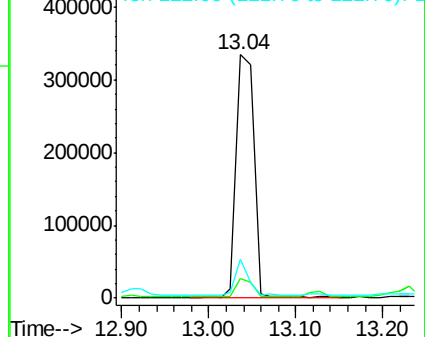
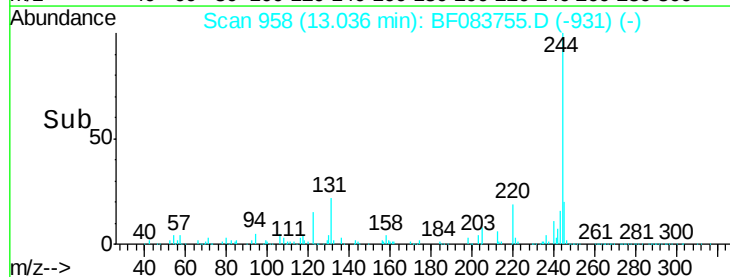
122 16.2 11.0 16.6

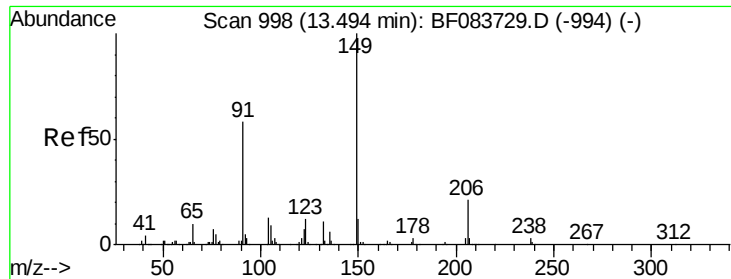


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

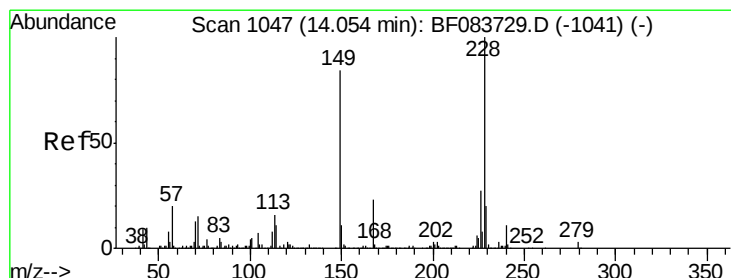
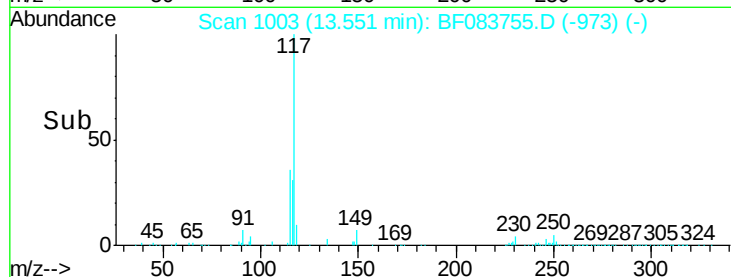
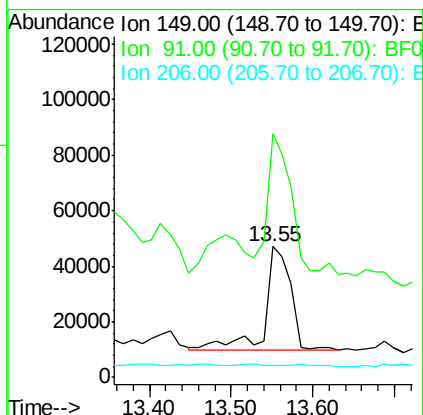
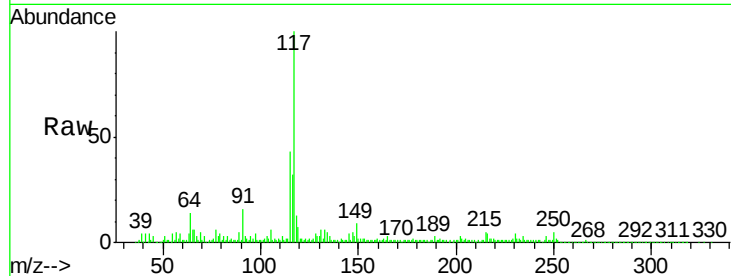




#79
Butylbenzylphthalate
Concen: 9.08 ng
RT: 13.55 min Scan# 1003
Delta R.T. 0.05 min
Lab File: BF083755.D
Acq: 14 Dec 2015 3:42

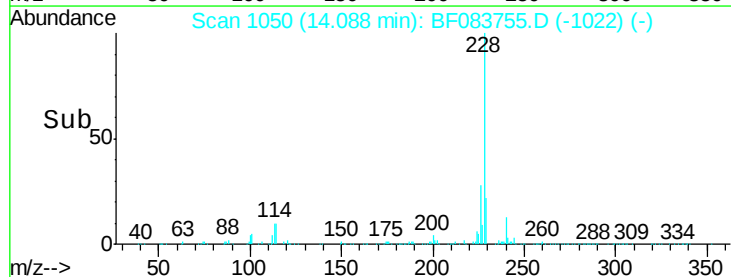
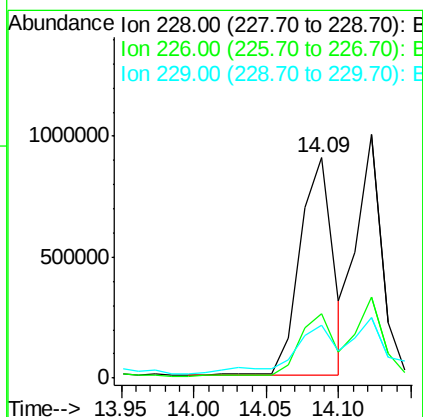
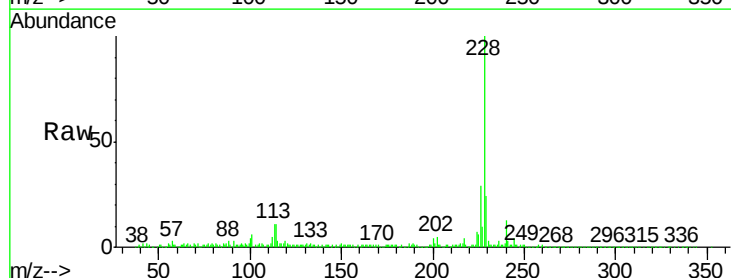
Instrument :
BNA_F
ClientSampleId :
WC121015-SOIL-POPH

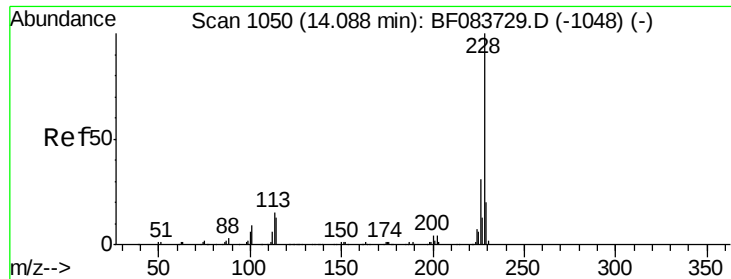
Tgt Ion:149 Resp: 84992
Ion Ratio Lower Upper
149 100
91 185.9 60.0 90.0#
206 8.7 16.2 24.4#



#80
Benzo(a)anthracene
Concen: 91.33 ng
RT: 14.09 min Scan# 1050
Delta R.T. 0.02 min
Lab File: BF083755.D
Acq: 14 Dec 2015 3:42

Tgt Ion:228 Resp: 1432642
Ion Ratio Lower Upper
228 100
226 29.3 22.3 33.5
229 24.0 15.7 23.5#





#82

Chrysene

Concen: 93.64 ng

RT: 14.09 min Scan# 1050

Delta R.T. -0.01 min

Lab File: BF083755.D

Acq: 14 Dec 2015 3:42

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPH

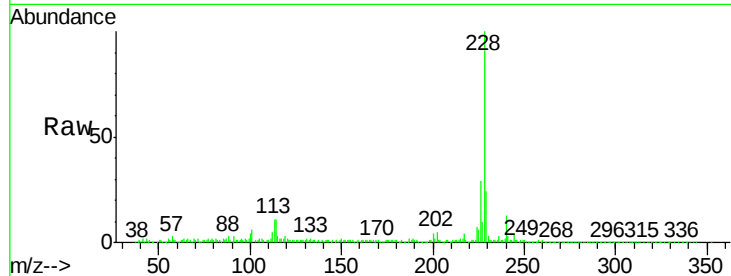
Tgt Ion:228 Resp: 1432642

Ion Ratio Lower Upper

228 100

226 29.3 24.7 37.1

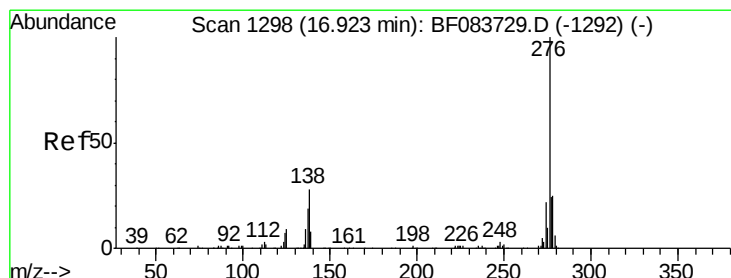
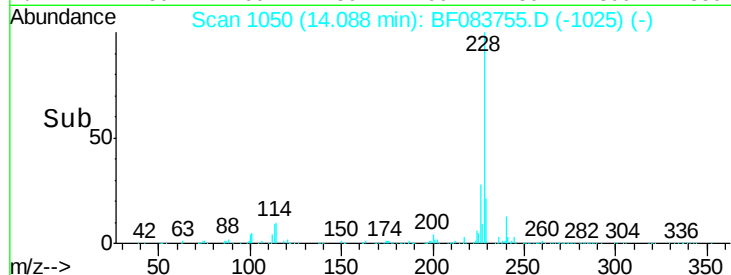
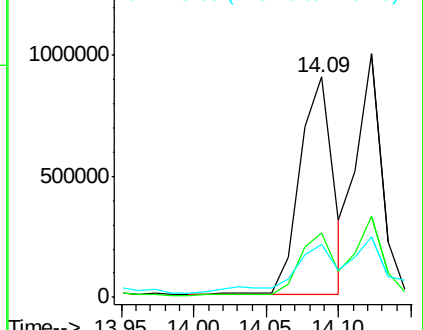
229 24.0 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 19.79 ng

RT: 16.97 min Scan# 1302

Delta R.T. 0.02 min

Lab File: BF083755.D

Acq: 14 Dec 2015 3:42

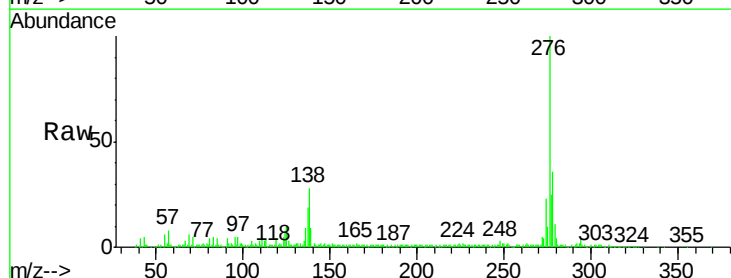
Tgt Ion:276 Resp: 297287

Ion Ratio Lower Upper

276 100

138 26.9 0.0 0.0#

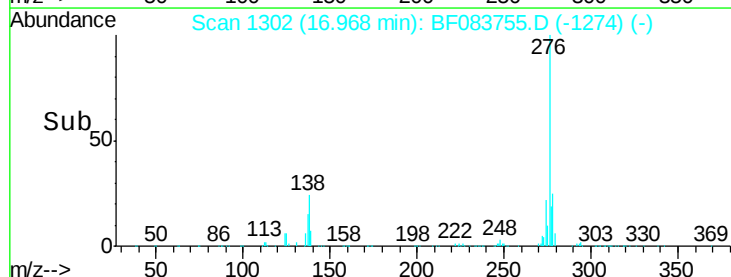
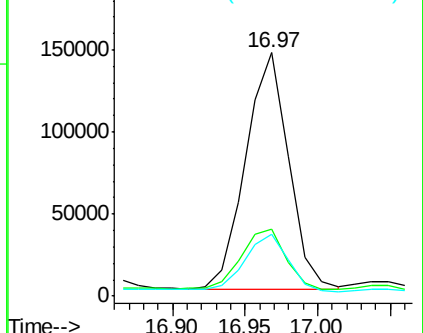
277 25.5 0.0 0.0#

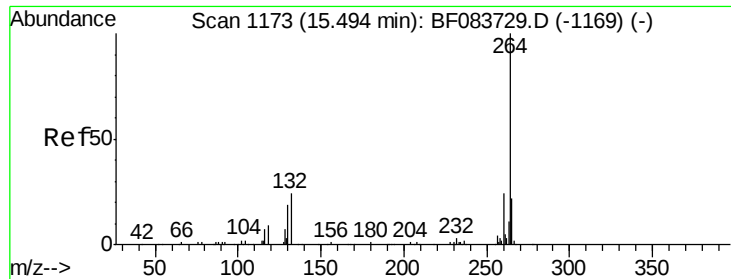


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

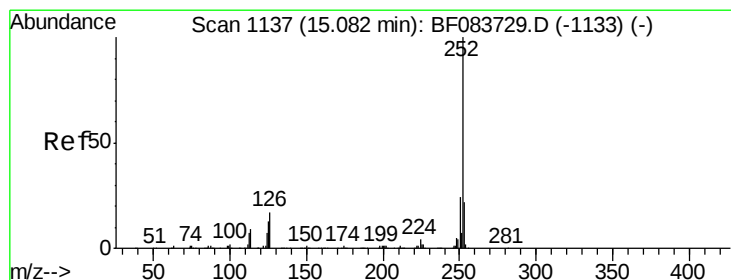
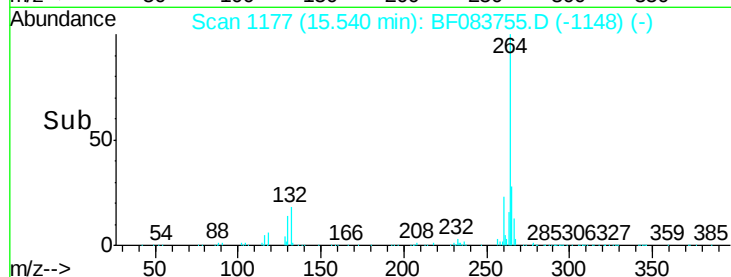
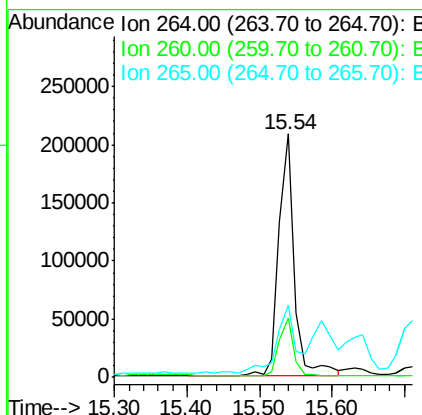
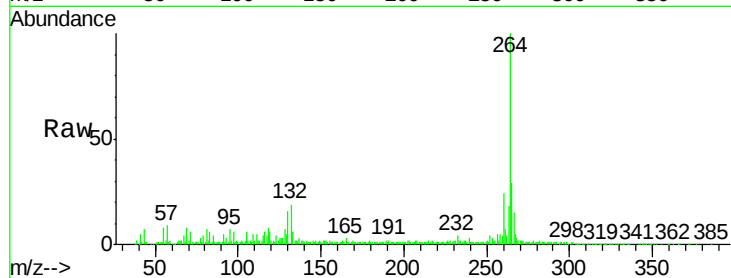




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.54 min Scan# 1177
Delta R.T. 0.03 min
Lab File: BF083755.D
Acq: 14 Dec 2015 3:42

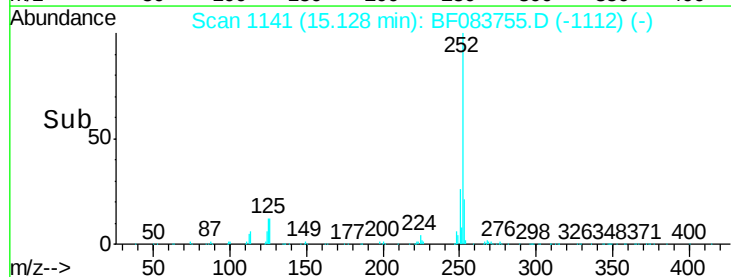
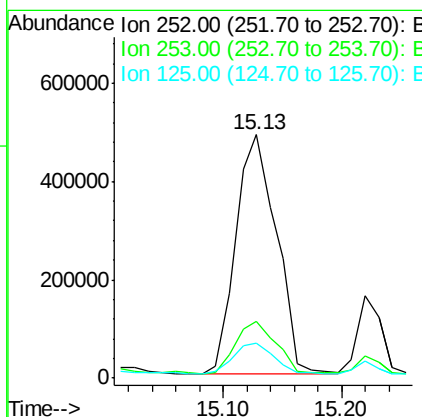
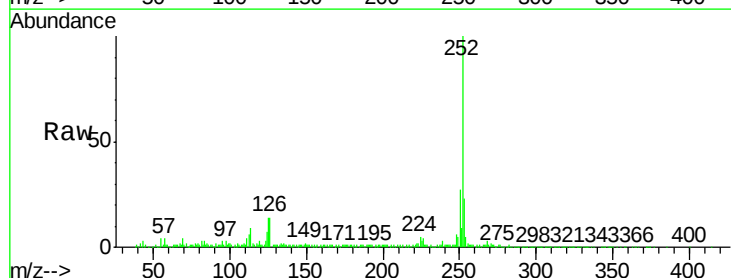
Instrument :
BNA_F
ClientSampleId :
WC121015-SOIL-POPH

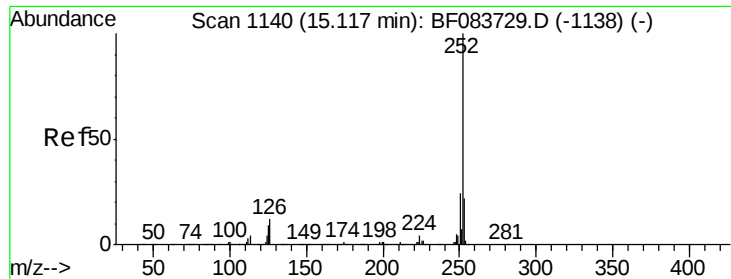
Tgt Ion:264 Resp: 308847
Ion Ratio Lower Upper
264 100
260 24.3 19.4 29.0
265 29.5 17.8 26.6#



#87
Benzo(b)fluoranthene
Concen: 58.80 ng
RT: 15.13 min Scan# 1141
Delta R.T. 0.03 min
Lab File: BF083755.D
Acq: 14 Dec 2015 3:42

Tgt Ion:252 Resp: 1158459
Ion Ratio Lower Upper
252 100
253 23.2 18.2 27.4
125 14.3 8.2 12.4#

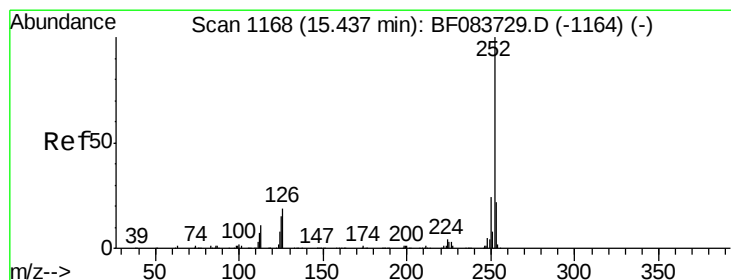
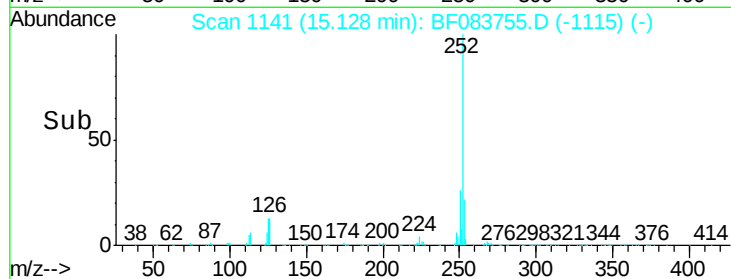
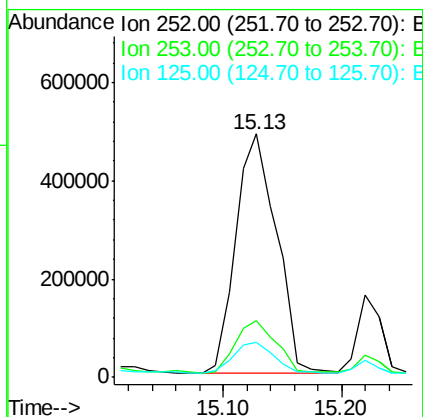
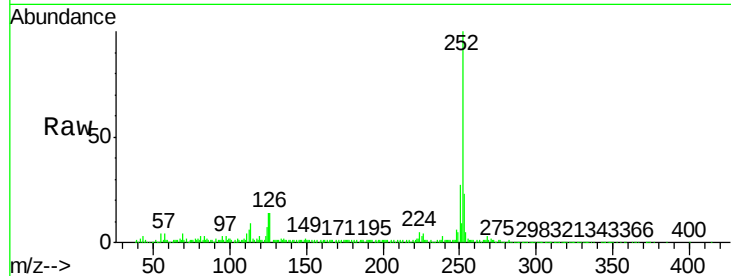




#88
Benzo(k)fluoranthene
Concen: 64.94 ng
RT: 15.13 min Scan# 1141
Delta R.T. 0.00 min
Lab File: BF083755.D
Acq: 14 Dec 2015 3:42

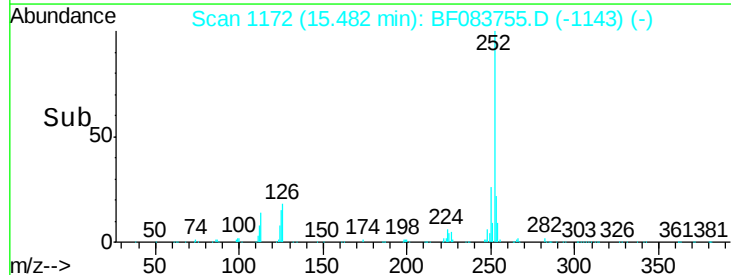
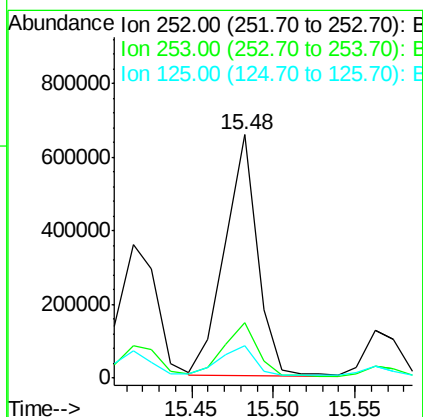
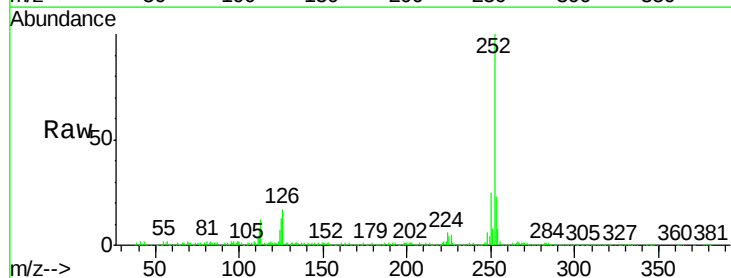
Instrument :
BNA_F
ClientSampleId :
WC121015-SOIL-POPH

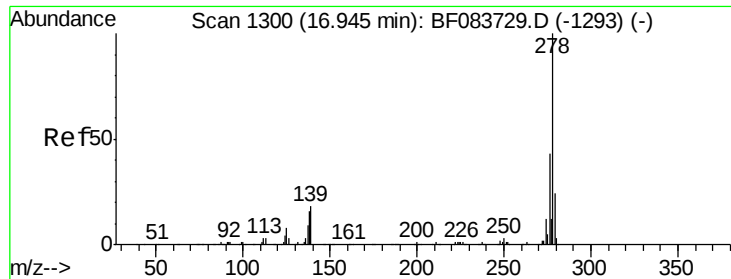
Tgt Ion:252 Resp: 1159428
Ion Ratio Lower Upper
252 100
253 23.2 18.6 27.8
125 14.3 11.5 17.3



#89
Benzo(a)pyrene
Concen: 51.48 ng
RT: 15.48 min Scan# 1172
Delta R.T. 0.03 min
Lab File: BF083755.D
Acq: 14 Dec 2015 3:42

Tgt Ion:252 Resp: 905151
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 13.3 11.0 16.6

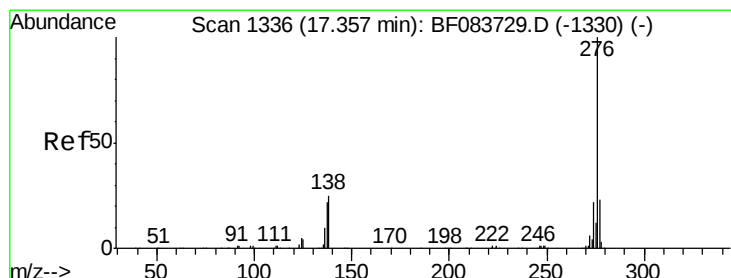
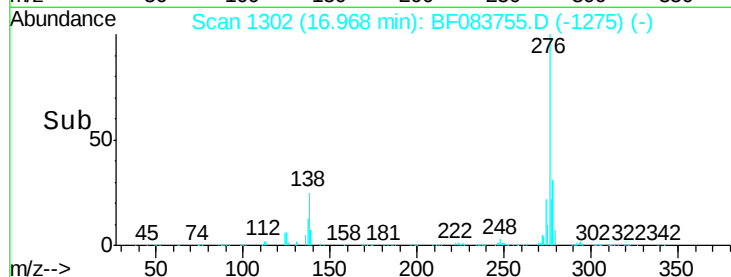
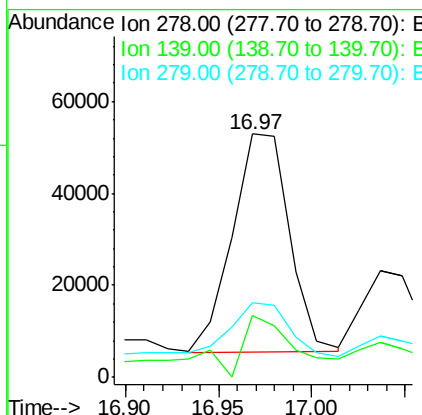
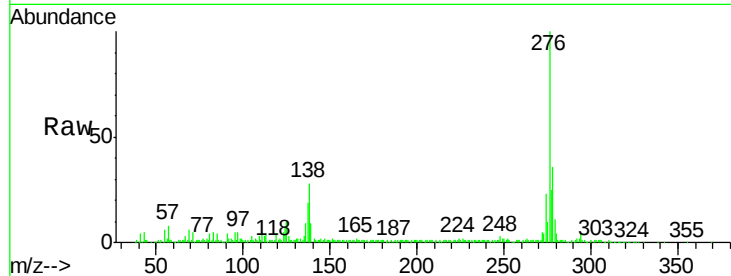




#90
Dibenzo(a,h)anthracene
Concen: 5.77 ng
RT: 16.97 min Scan# 1302
Delta R.T. 0.01 min
Lab File: BF083755.D
Acq: 14 Dec 2015 3:42

Instrument :
BNA_F
ClientSampleId :
WC121015-SOIL-POPH

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.2	12.8	19.2#
279	30.4	18.6	28.0#



#91
Benzo(g,h,i)perylene
Concen: 16.75 ng
RT: 17.40 min Scan# 1340
Delta R.T. 0.02 min
Lab File: BF083755.D
Acq: 14 Dec 2015 3:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.2	28.8
138	24.6	19.5	29.3

